## Mathematics (B.A.) 2023-2024 Academic Catalog, Bachelor of Arts – Mathematics

FRESHMAN SEMINAR

UMHB 1101 Freshman Seminar

Academic Core for B.A. 61 Ho		61 Hours	CHAPEL – 1 to 4 credits		
CHRISTIAN STUDIES (			UMHB 1002 Chapel		
CSBS 1311	Engaging the Old Testament	3	Fine Arts Fyneri	ence – 2 to 8 credits	
CSBS 1312	Engaging the New Testament	3	UMHB 1005	Fine Arts Experience	
ENGLISH		9			
ENGL 1321	Rhetoric & Composition I	3	Mathemat	ics	40 Hours
ENGL 1322	Rhetoric & Composition II	3			
ENGL ( "G"	Literature	3	B.A. MATHEN MATH 2303	Statistics  MAJOR REQUIRED COURSES  Statistics	<b>40</b>
Agraae oja C	or higher is required in ENGL 1321 and ENGL 132	2.	MATH 2320	Linear Algebra	3
EXERCISE & SPC	ORT SCIENCE - SELECT TWO DIFFERENT COURSES	<u> 2</u>	MATH 2430	Calculus II	4
EXAC	Activity Course	1	MATH 3093	Junior Seminar	0
EXAC	Activity Course	1	MATH 3314	Geometry	3
FINE ARTS - SEL	ECT ONE	3	MATH 3315 MATH 3320	History of Mathematics Foundations of Higher Mathematics	3
ARTS 1350	Art Appreciation	3	MATH 3325	Ordinary Differential Equations	3
COMM 2335	Film Appreciation	3	MATH 3430	Calculus III	4
FINA 2330		3	MATH 3341	Numerical Analysis	3
	Exploring the Fine Arts		MATH 4293	Senior Seminar	2
MUSI 1340	Music Appreciation	3	MATH 4310	Analysis	3
THEA 2350	Introduction to the Theatre	3	MATH 4320	Abstract Algebra	3
FOREIGN LANG	UAGE	14	MATH 4385	Mathematical Probability and Statistics	3
14 semester ho	ours (4 semesters or the equivalent) in one lang	uage 14			
LAD COUNCE			<b>Electives</b>		19 Hours
PHYS 2421	Physics I with Calculus	<b>4</b>	UPPER LEVEL	ELECTIVES	6
	·	,		litional hours to reach your minimum 36 UL	
PUBLICSPEAKI		3	51 5 <b>6 7</b> 11 1 5 6		40
COMM 1320	Public Speaking	3	Vou need 15 ac	Iditional hours to reach your minimum 120 i	required hrs
MATHEMATICS	5	4	Tod ficca 15 ac	iditional flodis to reach your minimum 1201	cquircu iii 3.
MATH 1430	Calculus	4			
LITEDATURE (	OR HI IMANITIES - SELECT ONE	9	Total Hours		
	OR HUMANITIES – SELECT ONE	<b>3</b>	Academic Core		61
LITERATURE ( HUMA X3XX ENGL 23XX	OR HUMANITIES – SELECT ONE  Humanities  Literature	<b>3</b> 3 3	Academic Core B.A. Mathemat	ics Major Required Courses	40
HUMA X3XX	Humanities	3	Academic Core B.A. Mathemat Upper Level Ele	ics Major Required Courses	40 6
HUMA X3XX ENGL 23XX SOCIAL SCIEN	Humanities Literature ICE – SELECT ONE	3 3	Academic Core B.A. Mathemat Upper Level Ele Electives	ics Major Required Courses ective	40
HUMA X3XX ENGL 23XX SOCIAL SCIEN BECO 2310	Humanities Literature  ICE – SELECT ONE Principles of Economics	3 3 <b>3</b>	Academic Core B.A. Mathemat Upper Level Ele Electives	ics Major Required Courses	40 6 13
HUMA X3XX ENGL 23XX SOCIAL SCIEN BECO 2310 PSYC 1301	Humanities Literature  ICE – SELECT ONE  Principles of Economics General Psychology	3 3 3 3	Academic Core B.A. Mathemat Upper Level Ele Electives Total hours rec Additional Grac	ics Major Required Courses ective uired for graduation duation Requirements	40 6 13
HUMA X3XX ENGL 23XX SOCIAL SCIEN BECO 2310 PSYC 1301 PSYC 2399	Humanities Literature  ICE – SELECT ONE  Principles of Economics General Psychology Child and Adolescent Development	3 3 3 3 3	Academic Core B.A. Mathemat Upper Level Ele Electives Total hours rec Additional Grac Minimum Uppe	ics Major Required Courses ective uired for graduation duation Requirements er Level hours	40 6 13 <b>120</b>
HUMA X3XX ENGL 23XX SOCIAL SCIEN BECO 2310 PSYC 1301	Humanities Literature  ICE – SELECT ONE  Principles of Economics General Psychology Child and Adolescent Development Introduction to Sociology	3 3 3 3 3 3	Academic Core B.A. Mathemat Upper Level Ele Electives Total hours rec Additional Grac Minimum Uppor	ics Major Required Courses ective  uired for graduation  duation Requirements er Level hours s taken at UMHB	40 6 13 <b>120</b> 36 30
HUMA X3XX ENGL 23XX SOCIAL SCIEN BECO 2310 PSYC 1301 PSYC 2399 SOCI 1311	Humanities Literature  ICE – SELECT ONE  Principles of Economics General Psychology Child and Adolescent Development	3 3 3 3 3 3 3	Academic Core B.A. Mathemat Upper Level Ele Electives Total hours rec  Additional Grac Minimum Uppo Minimum hour Minimum Uppo	ics Major Required Courses ective  uired for graduation  duation Requirements er Level hours s taken at UMHB er Level hours taken at UMHB	40 6 13 <b>120</b> 36 30 24
HUMA X3XX ENGL 23XX SOCIAL SCIEN BECO 2310 PSYC 1301 PSYC 2399 SOCI 1311 SOCW 2311 US HISTORY (	Humanities Literature  ICE – SELECT ONE  Principles of Economics General Psychology Child and Adolescent Development Introduction to Sociology Introduction to Social Work  OR US GOVERNMENT – SELECT ONE	3 3 3 3 3 3 3 3	Academic Core B.A. Mathemat Upper Level Ele Electives Total hours rec Additional Grac Minimum Uppor	ics Major Required Courses ective  uired for graduation  duation Requirements er Level hours s taken at UMHB er Level hours taken at UMHB	40 6 13 <b>120</b> 36 30
HUMA X3XX ENGL 23XX SOCIAL SCIEN BECO 2310 PSYC 1301 PSYC 2399 SOCI 1311 SOCW 2311 US HISTORY O	Humanities Literature  ICE – SELECT ONE  Principles of Economics General Psychology Child and Adolescent Development Introduction to Sociology Introduction to Social Work  OR US GOVERNMENT – SELECT ONE American History to 1877	3 3 3 3 3 3 3 3 3	Academic Core B.A. Mathemat Upper Level Ele Electives Total hours rec  Additional Grac Minimum Uppo Minimum hour Minimum Uppo	ics Major Required Courses ective  uired for graduation  duation Requirements er Level hours s taken at UMHB er Level hours taken at UMHB	40 6 13 <b>120</b> 36 30 24
HUMA X3XX ENGL 23XX SOCIAL SCIEN BECO 2310 PSYC 1301 PSYC 2399 SOCI 1311 SOCW 2311 US HISTORY O HIST 2311 HIST 2312	Humanities Literature  ICE – SELECT ONE  Principles of Economics General Psychology Child and Adolescent Development Introduction to Sociology Introduction to Social Work  OR US GOVERNMENT – SELECT ONE American History to 1877 American History since 1877	3 3 3 3 3 3 3 3 3	Academic Core B.A. Mathemat Upper Level Ele Electives Total hours rec  Additional Grac Minimum Uppo Minimum hour Minimum Uppo	ics Major Required Courses ective  uired for graduation  duation Requirements er Level hours s taken at UMHB er Level hours taken at UMHB	40 6 13 <b>120</b> 36 30 24
HUMA X3XX ENGL 23XX SOCIAL SCIEN BECO 2310 PSYC 1301 PSYC 2399 SOCI 1311 SOCW 2311 US HISTORY ( HIST 2311 HIST 2312 POLS 2305	Humanities Literature  ICE – SELECT ONE  Principles of Economics General Psychology Child and Adolescent Development Introduction to Sociology Introduction to Social Work  OR US GOVERNMENT – SELECT ONE American History to 1877	3 3 3 3 3 3 3 3 3	Academic Core B.A. Mathemat Upper Level Ele Electives Total hours rec  Additional Grac Minimum Uppo Minimum hour Minimum Uppo	ics Major Required Courses ective  uired for graduation  duation Requirements er Level hours s taken at UMHB er Level hours taken at UMHB	40 6 13 <b>120</b> 36 30 24
HUMA X3XX ENGL 23XX SOCIAL SCIEN BECO 2310 PSYC 1301 PSYC 2399 SOCI 1311 SOCW 2311 US HISTORY O HIST 2311 HIST 2312 POLS 2305 POLS 2306	Humanities Literature  ICE – SELECT ONE  Principles of Economics General Psychology Child and Adolescent Development Introduction to Sociology Introduction to Social Work  OR US GOVERNMENT – SELECT ONE American History to 1877 American History since 1877 United States Government Texas State and Local Government	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Academic Core B.A. Mathemat Upper Level Ele Electives Total hours rec  Additional Grac Minimum Uppo Minimum hour Minimum Uppo	ics Major Required Courses ective  uired for graduation  duation Requirements er Level hours s taken at UMHB er Level hours taken at UMHB	40 6 13 <b>120</b> 36 30 24
HUMA X3XX ENGL 23XX SOCIAL SCIEN BECO 2310 PSYC 1301 PSYC 2399 SOCI 1311 SOCW 2311 US HISTORY O HIST 2311 HIST 2312 POLS 2305 POLS 2306 WORLD CULT	Humanities Literature  ICE – SELECT ONE  Principles of Economics General Psychology Child and Adolescent Development Introduction to Sociology Introduction to Social Work  OR US GOVERNMENT – SELECT ONE  American History to 1877 American History since 1877 United States Government Texas State and Local Government	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Academic Core B.A. Mathemat Upper Level Ele Electives Total hours rec  Additional Grac Minimum Uppo Minimum hour Minimum Uppo	ics Major Required Courses ective  uired for graduation  duation Requirements er Level hours s taken at UMHB er Level hours taken at UMHB	40 6 13 <b>120</b> 36 30 24
HUMA X3XX ENGL 23XX SOCIAL SCIEN BECO 2310 PSYC 1301 PSYC 2399 SOCI 1311 SOCW 2311 US HISTORY O HIST 2311 HIST 2312 POLS 2305 POLS 2306	Humanities Literature  ICE – SELECT ONE  Principles of Economics General Psychology Child and Adolescent Development Introduction to Sociology Introduction to Social Work  OR US GOVERNMENT – SELECT ONE American History to 1877 American History since 1877 United States Government Texas State and Local Government	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Academic Core B.A. Mathemat Upper Level Ele Electives Total hours rec  Additional Grac Minimum Uppo Minimum hour Minimum Uppo	ics Major Required Courses ective  uired for graduation  duation Requirements er Level hours s taken at UMHB er Level hours taken at UMHB	40 6 13 <b>120</b> 36 30 24
HUMA X3XX ENGL 23XX SOCIAL SCIEN BECO 2310 PSYC 1301 PSYC 2399 SOCI 1311 SOCW 2311 US HISTORY OF HIST 2311 HIST 2312 POLS 2305 POLS 2306 WORLD CULT ARTS 2354	Humanities Literature  ICE – SELECT ONE  Principles of Economics General Psychology Child and Adolescent Development Introduction to Sociology Introduction to Social Work  OR US GOVERNMENT – SELECT ONE American History to 1877 American History since 1877 United States Government Texas State and Local Government  SURES or ANY PHILOSOPHY – SELECT ONE World Art	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Academic Core B.A. Mathemat Upper Level Ele Electives Total hours rec  Additional Grac Minimum Uppo Minimum hour Minimum Uppo	ics Major Required Courses ective  uired for graduation  duation Requirements er Level hours s taken at UMHB er Level hours taken at UMHB	40 6 13 <b>120</b> 36 30 24
HUMA X3XX ENGL 23XX SOCIAL SCIEN BECO 2310 PSYC 1301 PSYC 2399 SOCI 1311 SOCW 2311 US HISTORY OF HIST 2311 HIST 2312 POLS 2305 POLS 2306 WORLD CULT ARTS 2354 EXSS 2353	Humanities Literature  Principles of Economics General Psychology Child and Adolescent Development Introduction to Sociology Introduction to Social Work  PR US GOVERNMENT – SELECT ONE American History to 1877 American History since 1877 United States Government Texas State and Local Government  PURES or ANY PHILOSOPHY – SELECT ONE World Art Lifespan Nutrition Cultural Immersion History of World Civilizations to 1500	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Academic Core B.A. Mathemat Upper Level Ele Electives Total hours rec  Additional Grac Minimum Uppo Minimum hour Minimum Uppo	ics Major Required Courses ective  uired for graduation  duation Requirements er Level hours s taken at UMHB er Level hours taken at UMHB	40 6 13 <b>120</b> 36 30 24
HUMA X3XX ENGL 23XX SOCIAL SCIEN BECO 2310 PSYC 1301 PSYC 2399 SOCI 1311 SOCW 2311 US HISTORY OF HIST 2311 HIST 2312 POLS 2305 POLS 2306 WORLD CULT ARTS 2354 EXSS 2353 GLBL 2310	Humanities Literature  ICE – SELECT ONE  Principles of Economics General Psychology Child and Adolescent Development Introduction to Sociology Introduction to Social Work  OR US GOVERNMENT – SELECT ONE  American History to 1877 American History since 1877 United States Government Texas State and Local Government  URES or ANY PHILOSOPHY – SELECT ONE  World Art Lifespan Nutrition Cultural Immersion	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Academic Core B.A. Mathemat Upper Level Ele Electives Total hours rec  Additional Grac Minimum Uppo Minimum hour Minimum Uppo	ics Major Required Courses ective  uired for graduation  duation Requirements er Level hours s taken at UMHB er Level hours taken at UMHB	40 6 13 <b>120</b> 36 30 24
HUMA X3XX ENGL 23XX  SOCIAL SCIEN BECO 2310 PSYC 1301 PSYC 2399 SOCI 1311 SOCW 2311  US HISTORY C HIST 2311 HIST 2312 POLS 2305 POLS 2306  WORLD CULT ARTS 2354 EXSS 2353 GLBL 2310 HIST 1311	Humanities Literature  Principles of Economics General Psychology Child and Adolescent Development Introduction to Sociology Introduction to Social Work  PR US GOVERNMENT – SELECT ONE  American History to 1877 American History since 1877 United States Government Texas State and Local Government  PURES or ANY PHILOSOPHY – SELECT ONE  World Art Lifespan Nutrition Cultural Immersion History of World Civilizations to 1500 History of World Civilizations since 1500 World Music	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Academic Core B.A. Mathemat Upper Level Ele Electives Total hours rec  Additional Grac Minimum Uppo Minimum hour Minimum Uppo	ics Major Required Courses ective  uired for graduation  duation Requirements er Level hours s taken at UMHB er Level hours taken at UMHB	40 6 13 <b>120</b> 36 30 24
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HUMA X3XX ENGL 23XX SOCIAL SCIEN BECO 2310 PSYC 1301 PSYC 2399 SOCI 1311 SOCW 2311 US HISTORY ( HIST 2311 HIST 2312 POLS 2305 POLS 2306 WORLD CULT ARTS 2354 EXSS 2353 GLBL 2310 HIST 1311 HIST 1312 MUSI 2358	Humanities Literature  Principles of Economics General Psychology Child and Adolescent Development Introduction to Sociology Introduction to Social Work  PR US GOVERNMENT – SELECT ONE American History to 1877 American History since 1877 United States Government Texas State and Local Government  VURES or ANY PHILOSOPHY – SELECT ONE World Art Lifespan Nutrition Cultural Immersion History of World Civilizations to 1500 History of World Civilizations since 1500 World Music any Philosophy course  VURES – SELECT ONE	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Academic Core B.A. Mathemat Upper Level Ele Electives Total hours rec  Additional Grac Minimum Uppo Minimum hour Minimum Uppo	ics Major Required Courses ective  uired for graduation  duation Requirements er Level hours s taken at UMHB er Level hours taken at UMHB	40 6 13 <b>120</b> 36 30 24
HUMA X3XX ENGL 23XX SOCIAL SCIEN BECO 2310 PSYC 1301 PSYC 2399 SOCI 1311 SOCW 2311 US HISTORY C HIST 2311 HIST 2312 POLS 2305 POLS 2305 POLS 2306 WORLD CULT ARTS 2354 EXSS 2353 GLBL 2310 HIST 1311 HIST 1312 MUSI 2358	Humanities Literature  Principles of Economics General Psychology Child and Adolescent Development Introduction to Sociology Introduction to Social Work  PR US GOVERNMENT – SELECT ONE American History to 1877 American History since 1877 United States Government Texas State and Local Government World Art Lifespan Nutrition Cultural Immersion History of World Civilizations to 1500 World Music any Philosophy course  URES – SELECT ONE  World Art  URES – SELECT ONE  World Art	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Academic Core B.A. Mathemat Upper Level Ele Electives Total hours rec  Additional Grac Minimum Uppo Minimum hour Minimum Uppo	ics Major Required Courses ective  uired for graduation  duation Requirements er Level hours s taken at UMHB er Level hours taken at UMHB	40 6 13 <b>120</b> 36 30 24
HUMA X3XX ENGL 23XX SOCIAL SCIEN BECO 2310 PSYC 1301 PSYC 2399 SOCI 1311 SOCW 2311 US HISTORY O HIST 2311 HIST 2312 POLS 2305 POLS 2305 POLS 2306 WORLD CULT ARTS 2354 EXSS 2353 GLBL 2310 HIST 1311 HIST 1312 MUSI 2358	Humanities Literature  Principles of Economics General Psychology Child and Adolescent Development Introduction to Sociology Introduction to Social Work  PR US GOVERNMENT – SELECT ONE American History to 1877 American History since 1877 United States Government Texas State and Local Government  VURES or ANY PHILOSOPHY – SELECT ONE World Art Lifespan Nutrition Cultural Immersion History of World Civilizations to 1500 History of World Civilizations since 1500 World Music any Philosophy course  VURES – SELECT ONE	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Academic Core B.A. Mathemat Upper Level Ele Electives Total hours rec  Additional Grac Minimum Uppo Minimum hour Minimum Uppo	ics Major Required Courses ective  uired for graduation  duation Requirements er Level hours s taken at UMHB er Level hours taken at UMHB	40 6 13 <b>120</b> 36 30 24
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HUMA X3XX ENGL 23XX SOCIAL SCIEN BECO 2310 PSYC 1301 PSYC 2399 SOCI 1311 SOCW 2311 US HISTORY C HIST 2311 HIST 2312 POLS 2305 POLS 2305 POLS 2306 WORLD CULT ARTS 2354 EXSS 2353 GLBL 2310 HIST 1311 HIST 1312 MUSI 2358	Humanities Literature  Principles of Economics General Psychology Child and Adolescent Development Introduction to Sociology Introduction to Social Work  PR US GOVERNMENT – SELECT ONE American History to 1877 American History since 1877 United States Government Texas State and Local Government  WORLD ANY PHILOSOPHY – SELECT ONE  World Art Lifespan Nutrition Cultural Immersion History of World Civilizations to 1500 World Music any Philosophy course  URES – SELECT ONE  World Art Lifespan Nutrition Cultural Immersion History of World Civilizations to 1500 United States Government  URES – SELECT ONE  World Art Lifespan Nutrition Cultural Immersion History of World Civilizations to 1500	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Academic Core B.A. Mathemat Upper Level Ele Electives Total hours rec  Additional Grac Minimum Uppo Minimum hour Minimum Uppo	ics Major Required Courses ective  uired for graduation  duation Requirements er Level hours s taken at UMHB er Level hours taken at UMHB	40 6 13 <b>120</b> 36 30 24