Planner Requirements Overview

MATHAPLBBS 2025 Sequence (Requirement: 000002345, Effective Date: 08/01/2025)

Acad Prog:	UBACH	Undergraduate	Default Units Per Term:	15	Send to Degree Search:	Yes
Acad Plan:	MATHAPLBBS	Mathematics - Applied BS	Total Units to Graduate:	120	Use Catalog Prefs:	Yes
			Reporting Only:	No		

[01] 1st Semester (Units: 15, Lines: 5)

01.01 **MATH 160 (Fulfills Subject Area 2)** — Typically Offered: Fall/Spring/Summer
0020, Major Requirement (GE-2 Math/Quant Reasoning), Units: 5
CRITICAL
Min Grade Points/Unit: 2
Notes: A strong background in HS MATH (Algebra I & II, Geometry & Trig) or MATH 125 with a grade of C or better.

Pre-Requirement	
	o MATH 125 or MATH 126 (1541/0010) o see above and o MATH 125 or MATH 126 (1644/0010) o see above and o MATH 125 or MATH 126 (1644/0020) o see above

01.02 **Additional Elective - 3 Units** — Display Note: Y
0260, Elective Requirement (Elective), Units: 3 — Typically Offered: Intermittently
Allow Any Course: Unused Courses

01.03 **CS 111** — Typically Offered: Fall and/or Spring
0040, Major Requirement (Major Requirement), Units: 4
Min Grade Points/Unit: 2

Pre-Requirement	
	o MATH 160 (Fulfills Subject Area 2) (2345/0020) [Same Term OK] o see above or o MATH 125 or MATH 126 (1541/0010) [Same Term OK] o see (01.01) above or o MATH 125 or MATH 126 (1644/0010) [Same Term OK] o see (01.01) above or o MATH 125 or MATH 126 (1644/0020) [Same Term OK] o see (01.01) above

01.04 **GEW 101B (formerly GEW 101) (Fulfills Subject Area 1A)** — Major 1 Only: Y
0170, CAL GETC (GE-1A English Composition), Units: 3
Min Grade Points/Unit: 1.7

Pre-Requirement	o (1603/0010) and o [Support Course] GEW 101A (1603/0020) and o (1604/0010) and o [Support Course] GEW 101A (1604/0020) and o (1603/0030) and o (1603/0040) and o (1603/0050) and o DSP 3/4 [Support Course] GEW 101A - GE A3 (1603/0060) and o [REQUIRED Support Course] DSP 2 (1603/0070) [Same Term OK] and o (1604/0030) and o (1604/0040) and o (1604/0050) and o DSP 3/4 [Support Course] GEW 101A - Subject Area 1B (1604/0060) and o [REQUIRED Support Course] DSP 2 (1604/0070) [Same Term OK]

[02] 2nd Semester (Units: 14, Lines: 5)

02.01 **MATH 162** Typically Offered: Fall/Spring/Summer
0030, Major Requirement (Major Requirement), Units: 4
Min Grade Points/Unit: 2

Pre-Requirement	o MATH 160 (Fulfills Subject Area 2) (2345/0020) o see (01.03) above

02.02 **Subject Area 1B - Critical Thinking** Major 1 Only: Y
0190, CAL GETC (GE-1B Critical Thinking), Units: 3
Notes: Math Department Strongly Recommends MATH 110 as an 1B course.

02.03 **PHYS 201 (5A/5C)** Typically Offered: Fall and/or Spring
0010, Major Requirement (GE-5A Physical Science), Units: 4
Min Grade Points/Unit: 2

Pre-Requirement	o MATH 160 (Fulfills Subject Area 2) (2345/0020) o see (01.03) above

02.04 **SUBJECT AREA - 3A, 3B, 4H, 4C, 6** Major 1 Only: Y
0210, CAL GETC (GE-3/4/6), Units: 3

[03] 3rd Semester (Units: 15, Lines: 6)

03.01 **MATH 260** Typically Offered: Fall/Spring/Summer
0050, Major Requirement (Major Requirement), Units: 4
Min Grade Points/Unit: 2

Pre-Requirement	o MATH 162 (2345/0030) o see above

03.02 **MATH 350** Typically Offered: Fall and/or Spring
0060, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o MATH 162 (2345/0030) o see (03.01) above

03.03 **MATH SCIENCE EMPHASIS: Choose either CHEM 150 and CHEM 150L OR PHYS 202 to begin emphasis**
0070, Major Requirement (Major Requirement), Units: 4
Min Grade Points/Unit: 2
Notes: Please check pre-requisite requirements before selecting a course. If CHEM 150 is selected enroll in CHEM 150L to fulfill the 1 unit Additional Elective Requirement.

ALL COURSES MUST BE A PART OF THE SAME EMPHASIS ONCE CHOSEN.

03.04 **GE - Oral Communication (Fulfills Subject Area 1C)** Major 1 Only: Y
0160, CAL GETC (GE-1C Oral Communication), Units: 3
Min Grade Points/Unit: 1.7

03.05 **Additional Elective - 1 unit** Typically Offered: Intermittently
0350, Elective Requirement (Elective), Units: 1
Allow Any Course: Unused Courses

[04] 4th Semester (Units: 15, Lines: 6)

04.01 **MATH 264** Typically Offered: Fall/Spring/Summer
0080, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o MATH 160 (Fulfills Subject Area 2) (2345/0020) o see (01.03) above

04.02 **MATH 378** Typically Offered: Fall and/or Spring
0090, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o MATH 350 (2345/0060) o see above

04.03 **MATH SCIENCE EMPHASIS**
0140, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2
Notes: Please check Pre-requisite requirements before selecting a course. Once ALL course selections are made on this page, please be sure to run your ARR Planned Report (see link at the top of this page) to make sure your selections complete all degree requirements.

04.04 **One science lab course required. GE Science 5A and 5B courses should be chosen so that one of these also satisfies the laboratory (5C) requirement.** Major 1 Only: Y
0180, CAL GETC (GE-5B Biological Science), Units: 3

Pre-Requirement	o [Support Course] MATH 105 (Fulfills Subject Area 2) (1601/0020) or o [Support Course] MATH 105 (Fulfills Subject Area 2) (1602/0080) or o [Support Course] MATH 105 (Fulfills Subject Area 2) (1602/0060) or o [Support Course] MATH 105 (Fulfills Subject Area 2) (1602/0040) or o (1602/0020) or o [Support Course] MATH 105 (Fulfills Subject Area 2) (1601/0080) or o [Support Course] MATH 105 (Fulfills Subject Area 2) (1601/0060) or o [Support Course] MATH 105 (Fulfills Subject Area 2) (1601/0040)

04.05 **SUBJECT AREA - 3A, 3B, 4H, 4C, 6** Major 1 Only: Y
0200, CAL GETC (GE-3/4/6), Units: 3

[05] 5th Semester (Units: 15, Lines: 5)

05.01 **MATH 362** Typically Offered: Fall and/or Spring
0150, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o MATH 162 (2345/0030) o see (03.01) above

05.02 **MATH 441** Typically Offered: Fall and/or Spring
0130, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o MATH 260 (2345/0050) o see above

05.03 **MATH SCIENCE EMPHASIS**
0340, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2
Notes: Please check Pre-requisite requirements before selecting a course. Once ALL course selections are made on this page, please be sure to run your ARR Planned Report (see link at the top of this page) to make sure your selections complete all degree requirements.

05.04 **SUBJECT AREA - 3A, 3B, 4H, 4C, 6** Major 1 Only: Y
0220, CAL GETC (GE-3/4/6), Units: 3

05.05 **SUBJECT AREA - 3A, 3B, 4H, 4C, 6** Major 1 Only: Y
0230, CAL GETC (GE-3/4/6), Units: 3

[06] 6th Semester (Units: 15, Lines: 6)
Semester 6 Notes: After Earning 85 Units Apply for Graduation Online Through Your Student Center

06.01 **MATH 364** Typically Offered: Spring Only
0120, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o MATH 264 (2345/0080) o see above and o MATH 350 (2345/0060) o see (04.02) above

06.02 **MATH 442 OR MATH 444**
0310, Major Requirement (Major Elective), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o MATH 441 (2345/0130) o see above

06.03 **GE Upper Division** Major 1 Only: Y
0270, CAL GETC (Upper Division GE), Units: 3

06.04 **SUBJECT AREA - 3A, 3B, 4H, 4C, 6** Major 1 Only: Y
0240, CAL GETC (GE-3/4/6), Units: 3

06.05 **Additional Elective - 3 Units** Typically Offered: Intermittently
0250, Elective Requirement (Elective), Units: 3
Allow Any Course: Unused Courses

[07] 7th Semester (Units: 15, Lines: 6)

07.01 **MATH 430** Typically Offered: Fall and/or Spring
0110, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o MATH 378 (2345/0090) o see above

07.02 **Applied MATH UD Elective**
0320, Major Requirement (Major Elective), Units: 3
Min Grade Points/Unit: 2
Notes: Please check Pre-requisite requirements before selecting a course. Once ALL course selections are made on this page, please be sure to run your ARR Planned Report (see link at the top of this page) to make sure your selections complete all degree requirements.

Pre-Requirement	o MATH 162 (2345/0030) o see (03.01) above and o MATH 350 (2345/0060) o see (04.02) above

07.03 **GE Upper Division** Major 1 Only: Y
0280, CAL GETC (Upper Division GE), Units: 3

07.04 **Additional Elective - 3 units** Typically Offered: Intermittently
0300, Elective Requirement (Elective), Units: 3
Allow Any Course: Unused Courses

07.05 **Additional Elective - 3 units** Typically Offered: Intermittently
0290, Elective Requirement (Elective), Units: 3
Allow Any Course: Unused Courses

[08] 8th Semester (Units: 16, Lines: 6)

08.01 **MATH UD Elective**
0330, Major Requirement (Major Elective), Units: 3
Min Grade Points/Unit: 2
Notes: Please check Pre-requisite requirements before selecting a course. Once ALL course selections are made on this page, please be sure to run your ARR Planned Report (see link at the top of this page) to make sure your selections complete all degree requirements.

Pre-Requirement	o MATH 162 (2345/0030) o see (03.01) above and o MATH 350 (2345/0060) o see (04.02) above

08.02 **DIVERSITY & EQUITY IN GLOBAL CONTEXTS - It is strongly recommended to select a course that meets this requirement on your GE upper-division line. Doing so will clear this requirement.**
0380, University Requirement (Diversity & Equity Global), Units: 3

08.03 **DIVERSITY & EQUITY IN THE U.S. - It is strongly recommended to select a course that meets this requirement on your GE upper-division line. Doing so will clear this requirement.**
0390, University Requirement (Diversity & Equity U.S.), Units: 3

08.04 **Additional Elective - 3 Units** Typically Offered: Intermittently
0100, Elective Requirement (Elective), Units: 3
Min Grade Points/Unit: 2
Allow Any Course: Unused Courses

08.05 **Additional Elective - 3 units** Typically Offered: Intermittently
0370, Elective Requirement (Elective), Units: 3
Allow Any Course: Unused Courses

08.05 **Additional Elective - 1 unit** Typically Offered: Intermittently
0360, Elective Requirement (Elective), Units: 1
Allow Any Course: Unused Courses