Planner Requirements Overview

BIOTXXXBBS 2025 Sequence (Requirement: 000020047, Effective Date: 08/01/2025)

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

[01] 1st Semester (Units: 15, Lines: 6)

01.01 **BIOL 210** — Typically Offered: Fall and/or Spring
0070, Major Requirement (Major Requirement), Units: 4
Min Grade Points/Unit: 2

Pre-Requirement
- o CHEM 150 (Fulfills Subject Area 5A) (20047/0010) [Same Term OK]
  - o see above
  - and
- o CHEM 150L (Fulfills Subject Area 5C) (20047/0020) [Same Term OK]
  - o see above

01.02 **CHEM 150 (Fulfills Subject Area 5A)**
0010, Major Requirement (GE-5A Physical Science)
Units: 4,CRITICAL
Min Grade Points/Unit: 2
Typically Offered: Fall and/or Spring

Co-Req

CHEM 150L (Fulfills Subject Area 5C) (1 of 1)
0020, Major Requirement (GE-5C Laboratory), Units: 1

Pre-Requirement
- o CHEM 101 (1605/0010)
  - and
- o [Support Course] MATH 105 (Fulfills Subject Area 2) (1601/0020)
  - and
- o [Support Course] MATH 105 (Fulfills Subject Area 2) (1601/0040)
  - and
- o [Support Course] MATH 105 (Fulfills Subject Area 2) (1601/0060)
  - and
- o [Support Course] MATH 105 (Fulfills Subject Area 2) (1601/0080)
  - and
- o (1602/0020)
  - and
- o [Support Course] MATH 105 (Fulfills Subject Area 2) (1602/0040)
  - and
- o [Support Course] MATH 105 (Fulfills Subject Area 2) (1602/0060)
  - and
- o [Support Course] MATH 105 (Fulfills Subject Area 2) (1602/0080)

01.03 **CHEM 150L (Fulfills Subject Area 5C)**
0020, Major Requirement (GE-5C Laboratory)
Units: 1
Min Grade Points/Unit: 2
Typically Offered: Fall and/or Spring

Co-Req

CHEM 150 (Fulfills Subject Area 5A) (1 of 1)
0010, Major Requirement (GE-5A Physical Science), Units: 4

Pre-Requirement
- o CHEM 101 (1605/0010)
  - and
- o [Support Course] MATH 105 (Fulfills Subject Area 2) (1601/0020)
  - and
- o [Support Course] MATH 105 (Fulfills Subject Area 2) (1601/0040)
  - and
- o [Support Course] MATH 105 (Fulfills Subject Area 2) (1601/0060)
  - and
- o [Support Course] MATH 105 (Fulfills Subject Area 2) (1601/0080)
  - and
- o (1602/0020)
  - and
- o [Support Course] MATH 105 (Fulfills Subject Area 2) (1602/0040)
  - and
- o [Support Course] MATH 105 (Fulfills Subject Area 2) (1602/0060)
  - and
- o [Support Course] MATH 105 (Fulfills Subject Area 2) (1602/0080)

01.04 **Additional Elective - 3 Units** — Display Note: Y
0340, Elective Requirement (Elective), Units: 3 — Typically Offered: Intermittently
Allow Any Course: Unused Courses
Notes: Additional Elective - 3 Units: For First Year Freshman Students UNIV 180-5 is recommended.

01.05 **GEW 101B (formerly GEW 101) (Fulfills Subject Area 1A)** — Major 1 Only: Y
0270, 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: 16, Lines: 6)

02.01 **MATH 150 (Fulfills Subject Area 2)** Typically Offered: Fall and/or Spring
0040, Major Requirement (GE-2 Math/Quant Reasoning), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o [Support Course] MATH 105 (Fulfills Subject Area 2) (1601/0020) and o [Support Course] MATH 105 (Fulfills Subject Area 2) (1601/0040) and o [Support Course] MATH 105 (Fulfills Subject Area 2) (1601/0060) and o [Support Course] MATH 105 (Fulfills Subject Area 2) (1601/0080) and o (1602/0020) and o [Support Course] MATH 105 (Fulfills Subject Area 2) (1602/0040) and o [Support Course] MATH 105 (Fulfills Subject Area 2) (1602/0060) and o [Support Course] MATH 105 (Fulfills Subject Area 2) (1602/0080) and o MATH 115 (2350/0010) o see above and o MATH 115 (2350/0020) o see above

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

02.03 **BIOL 211 (Fulfills Subject Area 5B)** Typically Offered: Fall and/or Spring
0030, Major Requirement (GE-5B Biological Science), Units: 4
Min Grade Points/Unit: 2

02.04 **CHEM 160** Typically Offered: Fall and/or Spring
0170, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o CHEM 150 (Fulfills Subject Area 5A) (20047/0010) o see (01.01) above and o CHEM 150L (Fulfills Subject Area 5C) (20047/0020) o see (01.01) above and o [Support Course] MATH 105 (Fulfills Subject Area 2) (1601/0020) and o [Support Course] MATH 105 (Fulfills Subject Area 2) (1601/0040) and o [Support Course] MATH 105 (Fulfills Subject Area 2) (1601/0060) and o [Support Course] MATH 105 (Fulfills Subject Area 2) (1601/0080) and o (1602/0020) and o [Support Course] MATH 105 (Fulfills Subject Area 2) (1602/0040) and o [Support Course] MATH 105 (Fulfills Subject Area 2) (1602/0060) and o [Support Course] MATH 105 (Fulfills Subject Area 2) (1602/0080) and o MATH 150 (Fulfills Subject Area 2) (20047/0040) o see above

02.05 **GEO 102 (Fulfills Subject Area 1C)** Major 1 Only: Y
0250, CAL GETC (GE-1C Oral Communication), Units: 3

[03] 3rd Semester (Units: 14, Lines: 6)

03.01 **Subject Area 1B - Critical Thinking** Major 1 Only: Y
0300, CAL GETC (GE-1B Critical Thinking), Units: 3

03.02 **CHEM 201** 0090, Major Requirement (Major Requirement) Units: 3 Min Grade Points/Unit: 2 Typically Offered: Fall and/or Spring	Co-Req	**CHEM 201L (1 of 1)** 0100, Major Requirement (Major Requirement), Units: 2

Pre-Requirement	o CHEM 150 (Fulfills Subject Area 5A) (20047/0010) o see (01.01) above and o CHEM 150L (Fulfills Subject Area 5C) (20047/0020) o see (01.01) above and o CHEM 160 (20047/0170) o see above

03.03 **CHEM 201L** 0100, Major Requirement (Major Requirement) Units: 2 Min Grade Points/Unit: 2 Typically Offered: Fall and/or Spring	Co-Req	**CHEM 201 (1 of 1)** 0090, Major Requirement (Major Requirement), Units: 3

Pre-Requirement	o CHEM 150 (Fulfills Subject Area 5A) (20047/0010) o see (01.01) above and o CHEM 150L (Fulfills Subject Area 5C) (20047/0020) o see (01.01) above and o CHEM 160 (20047/0170) o see (03.02) above

03.04 **ACCT 201 or ACCT 203**
0130, Major Requirement (Major Requirement), Units: 4
Min Grade Points/Unit: 2

Co-Sequence	ACCT 202 (20047/0160)

03.05 **BIOT 257** Typically Offered: Fall Only
0220, Major Requirement (Major Requirement), Units: 2
Min Grade Points/Unit: 2

Pre-Requirement	o BIOL 210 (20047/0070) o see above

[04] 4th Semester (Units: 17, Lines: 6)

04.01 **CHEM 202** Typically Offered: Fall and/or Spring
0110, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o CHEM 201 (20047/0090) o see above and o CHEM 201L (20047/0100) o see above

04.02 **PHYS 205** Typically Offered: Fall and/or Spring
0120, Major Requirement (Major Requirement), Units: 4
Min Grade Points/Unit: 2

Pre-Requirement	o MATH 150 (Fulfills Subject Area 2) (20047/0040) [Same Term OK] o see (02.04) above

04.03 **BIOL 215** Typically Offered: Fall and/or Spring
0080, Major Requirement (Major Requirement), Units: 4
Min Grade Points/Unit: 2

04.04 **SUBJECT AREA - 3A, 3B, 4H, 4C, 6** Major 1 Only: Y
0280, CAL GETC (GE-3/4/6), Units: 3

04.05 **ACCT 202** Typically Offered: Fall and/or Spring
0160, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

[05] 5th Semester (Units: 15, Lines: 4)

05.01 **BIOT 355** Typically Offered: Fall Only
0140, Major Requirement (Major Requirement), Units: 5
Min Grade Points/Unit: 2

Pre-Requirement	o BIOL 210 (20047/0070) o see (03.05) above and o BIOL 211 (Fulfills Subject Area 5B) (20047/0030)

05.02 **PHYS 206** Typically Offered: Fall and/or Spring
0150, Major Requirement (Major Requirement), Units: 4
Min Grade Points/Unit: 2

Pre-Requirement	o PHYS 205 (20047/0120) o see above and o MATH 150 (Fulfills Subject Area 2) (20047/0040) o see (02.04) above

05.03 **CHEM 341 or 351 (Fulfills Subject Area UD25)**
0060, Major Requirement (GE-UD 25 GE UD Math & Science), Units: 3
Min Grade Points/Unit: 2
Notes: Students who select CHEM 351 must select CHEM 352 as one of your Electives

Pre-Requirement	o CHEM 201 (20047/0090) o see (04.01) above

05.04 **SUBJECT AREA - 3A, 3B, 4H, 4C, 6** Major 1 Only: Y
0290, CAL GETC (GE-3/4/6), Units: 3

[06] 6th Semester (Units: 16, Lines: 6)
Semester 6 Notes: After Earning 85 Units Apply for Graduation Online Through Your Student Center

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06.01 **SUBJECT AREA - 3A, 3B, 4H, 4C, 6** — Major 1 Only: Y
0320, CAL GETC (GE-3/4/6), Units: 3

06.02 **MGMT 302** — Display Note: Y
0180, Major Requirement (Major Requirement), Units: 2 — Typically Offered: Fall and/or Spring
Min Grade Points/Unit: 2
Notes: May require an Academic Advisor or instructor signature to enroll in this course.

Pre-Requirement	o MATH 150 (Fulfills Subject Area 2) (20047/0040) o see (02.04) above and o ACCT 202 (20047/0160)

06.03 **BIOL 477**
0350, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o BIOT 355 (20047/0140) o see above

06.04 **BIOT 356** — Typically Offered: Spring Only
0200, Major Requirement (Major Requirement), Units: 5
Min Grade Points/Unit: 2

Pre-Requirement	o BIOL 211 (Fulfills Subject Area 5B) (20047/0030)

06.05 **PHIL 315 or 340 or 345 (Fulfills Subject Area UD 3)** — Display Note: Y
0190, Major Requirement (GE-UD 3 GE UD Arts & Humanitie), Units: 3
Min Grade Points/Unit: 2
Notes: If PHIL 340 or PHIL 345 are chosen it will also fulfill Diversity and Equity in Global Contexts

[07] 7th Semester (Units: 14, Lines: 6)

07.01 **BIOT UD Designated Electives**
0375, Major Requirement (Major Elective), Units: 3
Min Grade Points/Unit: 2
Notes: Must Complete a Total of 8 Units of Upper Division BIOT Designated Electives. 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.

07.02 **PSYC 100 or SOC 101**
0050, Major Requirement (GE-4 Social Science), Units: 3
Min Grade Points/Unit: 2

07.03 **SUBJECT AREA - 3A, 3B, 4H, 4C, 6** — Major 1 Only: Y
0310, CAL GETC (GE-3/4/6), Units: 3

07.04 **MKTG 302** — Display Note: Y
0230, Major Requirement (Major Requirement), Units: 2
Min Grade Points/Unit: 2
Notes: May require an Academic Advisor or instructor signature to enroll in this course.

Pre-Requirement	o MATH 150 (Fulfills Subject Area 2) (20047/0040) o see (02.04) above and o ACCT 202 (20047/0160)

07.05 **BIOT UD Designated Electives**
0380, Major Requirement (Major Elective), Units: 3
Min Grade Points/Unit: 2
Notes: Must Complete a Total of 8 Units of Upper Division BIOT Designated Electives. 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.

[08] 8th Semester (Units: 17, Lines: 6)

08.01 **BIOT UD Designated Electives**
0390, Major Requirement (Major Elective), Units: 2
Min Grade Points/Unit: 2
Notes: Must Complete a Total of 8 Units of Upper Division BIOT Designated Electives. 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.

08.02 **BIOT 460** Typically Offered: Spring Only
0210, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o BIOT 355 (20047/0140) o see (06.03) above or o BIOT 356 (20047/0200) o see above

08.03 **GE Upper Division - Must be taken at Any CSU** Major 1 Only: Y
0360, CAL GETC (Upper Division GE), Units: 3 Display Note: Y
Notes: Students must complete Subject Area 1A, 1B, 1C, and 2 courses prior to enrolling in an Upper-division GE course. Upper-division GE courses should be taken after 60 units have been completed. Must be taken at a CSU.

08.04 **SUBJECT AREA - 3A, 3B, 4H, 4C, 6** Major 1 Only: Y
0330, CAL GETC (GE-3/4/6), Units: 3

08.05 **BIOT 457** Typically Offered: Spring Only
0395, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o BIOT 257 (20047/0220) o see above and o BIOT 355 (20047/0140) o see (06.03) above

08.06 **GE Upper Division - Must be taken at Any CSU** Major 1 Only: Y
0355, CAL GETC (Upper Division GE), Units: 3
Notes: Students must complete Subject Area 1A, 1B, 1C, and 2 courses prior to enrolling in an Upper-division GE course. Upper-division GE courses should be taken after 60 units have been completed. Must be taken at a CSU.
(System Note)