Planner Requirements Overview

CHEMSCDBBS 2025 Sequence (Requirement: 000020046, Effective Date: 08/01/2025)

Acad Prog:	UBACH	Undergraduate	Default Units Per Term:	15	Send to Degree Search:	Yes
Acad Plan:	CHEMSCDBBS	Chemistry - Sci Educ Option BS	Total Units to Graduate:	120	Use Catalog Prefs:	Yes
			Reporting Only:	No		

[01] 1st Semester (Units: 17, Lines: 7)

01.01 **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)

01.02 **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)

01.03 **MATH 160 (Fulfills Subject Area 2)**
0040, Major Requirement (GE-2 Math/Quant Reasoning), Units: 5
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.
Typically Offered: Fall/Spring/Summer

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

01.04 **Additional Elective - 3 Units**
0380, Elective Requirement (Elective), Units: 3
Notes: Additional Elective - 3 Units: For First Year Freshman Students UNIV 180-5 is recommended.
Major 1 Only: Y
Typically Offered: Intermittently

01.05 **GEW 101B (formerly GEW 101) (Fulfills Subject Area 1A)** Major 1 Only: Y
0300, 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]

01.06 **CHEM 100** Typically Offered: Fall and/or Spring
0005, Major Requirement (Major Requirement), Units: 1
Min Grade Points/Unit: 2

[02] 2nd Semester (Units: 15, Lines: 5)

02.01 **CHEM 162** 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) (20046/0010) o see above and o CHEM 150L (Fulfills Subject Area 5C) (20046/0020) o see above and o MATH 125 or MATH 126 (1541/0010) o see (01.03) above and o MATH 125 or MATH 126 (1644/0010) o see (01.03) above and o MATH 125 or MATH 126 (1644/0020) o see (01.03) 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)

02.02 **MATH 162** Typically Offered: Fall/Spring/Summer
0050, Major Requirement (Major Requirement), Units: 4
Min Grade Points/Unit: 2

Pre-Requirement	o MATH 160 (Fulfills Subject Area 2) (20046/0040) o see above

02.03 **PHYS 201 (5A/5C)** Typically Offered: Fall and/or Spring
0060, Major Requirement (Major Requirement), Units: 4
Min Grade Points/Unit: 2

Pre-Requirement	o MATH 160 (Fulfills Subject Area 2) (20046/0040) [Same Term OK] o see (02.02) above

02.04 **GEO 102 (Fulfills Subject Area 1C)** Major 1 Only: Y
0280, CAL GETC (GE-1C Oral Communication), Units: 3
Min Grade Points/Unit: 1.7

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

03.01 **CHEM 201**
0080, Major Requirement (Major Requirement)
Units: 3
Min Grade Points/Unit: 2
Typically Offered: Fall and/or Spring

Co-Req

CHEM 201L (1 of 1)
0090, Major Requirement (Major Requirement), Units: 2

Pre-Requirement	o CHEM 150 (Fulfills Subject Area 5A) (20046/0010) o see (02.01) above and o CHEM 150L (Fulfills Subject Area 5C) (20046/0020) o see (02.01) above and o CHEM 162 (20046/0070) o see above

03.02 **CHEM 201L**
0090, Major Requirement (Major Requirement)
Units: 2
Min Grade Points/Unit: 2
Typically Offered: Fall and/or Spring

Co-Req

CHEM 201 (1 of 1)
0080, Major Requirement (Major Requirement), Units: 3

Pre-Requirement	o CHEM 150 (Fulfills Subject Area 5A) (20046/0010) o see (02.01) above and o CHEM 150L (Fulfills Subject Area 5C) (20046/0020) o see (02.01) above and o CHEM 162 (20046/0070) o see (03.01) above

03.03 **PHYS 202** Typically Offered: Fall and/or Spring
0100, Major Requirement (Major Requirement), Units: 4
Min Grade Points/Unit: 2

Pre-Requirement	o PHYS 201 (5A/5C) (20046/0060) o see above and o MATH 162 (20046/0050) o see above

03.04 **ES 100** Typically Offered: Fall and/or Spring
0160, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

03.05 **Additional Elective - 3 Units** Typically Offered: Intermittently
0420, Elective Requirement (Elective), Units: 3
Allow Any Course: Unused Courses

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

Planner Requirements Overview

04.01 **CHEM 202**
0120, Major Requirement (Major Requirement)
Units: 3
Min Grade Points/Unit: 2
Typically Offered: Fall and/or Spring

Co-Req

CHEM 202L (1 of 1)
0130, Major Requirement (Major Requirement), Units: 2

Pre-Requirement	o CHEM 201 (20046/0080) o see above and o CHEM 201L (20046/0090) o see above

04.02 **CHEM 202L**
0130, Major Requirement (Major Requirement)
Units: 2
Min Grade Points/Unit: 2
Typically Offered: Fall and/or Spring

Co-Req

CHEM 202 (1 of 1)
0120, Major Requirement (Major Requirement), Units: 3

Pre-Requirement	o CHEM 201 (20046/0080) o see (04.01) above and o CHEM 201L (20046/0090) o see (04.01) above

04.03 **CHEM 275** Typically Offered: Fall and/or Spring
0140, Major Requirement (Major Requirement), Units: 4
Min Grade Points/Unit: 2

Pre-Requirement	o MATH 160 (Fulfills Subject Area 2) (20046/0040) o see (02.02) above and o CHEM 201 (20046/0080) o see (04.01) above and o CHEM 201L (20046/0090) o see (04.01) above and o CHEM 162 (20046/0070) o see (03.01) above

04.04 **Subject Area 1B - Critical Thinking** Major 1 Only: Y
0310, CAL GETC (GE-1B Critical Thinking), Units: 3

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

[05] 5th Semester (Units: 17, Lines: 5)

05.01 **CHEM 300** Typically Offered: Fall and/or Spring
0170, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o CHEM 201 (20046/0080) o see (04.01) above and o CHEM 201L (20046/0090) o see (04.01) above

05.02 **CHEM 401** Typically Offered: Fall and/or Spring
0220, Major Requirement (Major Requirement), Units: 4
Min Grade Points/Unit: 2

Pre-Requirement	o CHEM 162 (20046/0070) o see (03.01) above and o MATH 162 (20046/0050) o see (03.03) above and o PHYS 202 (20046/0100) o see above

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

05.04 **BIOL 210** — Typically Offered: Fall and/or Spring
0110, Major Requirement (Major Requirement), Units: 4
Min Grade Points/Unit: 2

Pre-Requirement	o CHEM 150 (Fulfills Subject Area 5A) (20046/0010) o see (02.01) above and o CHEM 150L (Fulfills Subject Area 5C) (20046/0020) o see (02.01) above

05.05 **SUBJECT AREA - 3A, 3B, 4H, 4C, 6** — Major 1 Only: Y
0340, 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

06.01 **CHEM 341** — Typically Offered: Fall/Spring/Summer
0150, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o CHEM 201 (20046/0080) o see (04.01) above and o CHEM 201L (20046/0090) o see (04.01) above

06.02 **CHEM 308** — Typically Offered: Fall and/or Spring
0180, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o CHEM 201 (20046/0080) o see (04.01) above and o CHEM 201L (20046/0090) o see (04.01) above and o CHEM 162 (20046/0070) o see (03.01) above

06.03 **ASTR 342 (Fulfills Subject Area UD25)** — Typically Offered: Fall/Spring/Summer
0200, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

06.04 **SUBJECT AREA - 3A, 3B, 4H, 4C, 6** — Major 1 Only: Y
0350, CAL GETC (GE-3/4/6), Units: 3

06.05 **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

Pre-Requirement	o BIOL 210 (20046/0110) o see above

[07] 7th Semester (Units: 13, Lines: 6)

07.01 **CHEM 404**
0230, Major Requirement (Major Requirement)
Units: 4
Min Grade Points/Unit: 2
Typically Offered: Fall and/or Spring



CHEM 404L (1 of 1)
0240, Major Requirement (Major Requirement), Units: 1

Pre-Requirement	o CHEM 201 (20046/0080) o see (04.01) above and o CHEM 201L (20046/0090) o see (04.01) above and o CHEM 162 (20046/0070) o see (03.01) above

07.02 **CHEM 404L**
0240, Major Requirement (Major Requirement)
Units: 1
Min Grade Points/Unit: 2
Typically Offered: Fall and/or Spring



CHEM 404 (1 of 1)
0230, Major Requirement (Major Requirement), Units: 4

Pre-Requirement	o CHEM 201 (20046/0080) o see (04.01) above and o CHEM 201L (20046/0090) o see (04.01) above and o CHEM 162 (20046/0070) o see (03.01) above

07.03 **GE Upper Division** Major 1 Only: Y
0390, CAL GETC (Upper Division GE), Units: 3

07.04 **CHEM 499** Advisor Approved: Y
0210, Major Requirement (Major Requirement), Units: 2
Min Grade Points/Unit: 2

07.06 **SUBJECT AREA - 3A, 3B, 4H, 4C, 6** Major 1 Only: Y
0360, CAL GETC (GE-3/4/6), Units: 3

[08] 8th Semester (Units: 12, Lines: 5)

08.01 **CHEM 397** Typically Offered: Fall and/or Spring
0260, Major Requirement (Major Requirement), Units: 1
Min Grade Points/Unit: 2

Pre-Requirement	o CHEM 202 (20046/0120) o see above and o CHEM 202L (20046/0130) o see above and o CHEM 162 (20046/0070) o see (03.01) above

08.02 **CHEM 499**
0270, Major Requirement (Major Requirement), Units: 2
Min Grade Points/Unit: 2

Pre-Requirement	o CHEM 499 (20046/0210) [Same Term OK]

08.03 **GE Upper Division** Major 1 Only: Y
0410, CAL GETC (Upper Division GE), Units: 3

08.04 **Upper-Division Chemistry Elective**
0430, Major Requirement (Major Elective), Units: 3
Min Grade Points/Unit: 2
Notes: Choose elective units from the pre-approved courses you see when you click on 'Select' or you may consult with a CHEM Faculty Advisor for additional options. 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 CHEM 202 (20046/0120) o see (08.01) above and o CHEM 202L (20046/0130) o see (08.01) above and o CHEM 300 (20046/0170) o see above

08.05 **EDUC 350** Typically Offered: Fall/Spring/Summer
0190, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o CHEM 201 (20046/0080) o see (04.01) above and o CHEM 201L (20046/0090) o see (04.01) above