Planner Requirements Overview

CIS_XXXBBS 2025 Sequence (Requirement: 000002326, Effective Date: 08/01/2025)

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

[01] 1st Semester (Units: 16, Lines: 6)

01.01 **CS 111**
0020, Major Requirement (Major Requirement)
Units: 4,CRITICAL
Min Grade Points/Unit: 2
Typically Offered: Fall and/or Spring

Co-Req

MATH 125 or MATH 126 (1 of 3)
0010, Elective Requirement (Remediation), Units: 3
MATH 125 or MATH 126 (2 of 3)
0010, Elective Requirement (Remediation), Units: 3
MATH 125 or MATH 126 (3 of 3)
0020, Elective Requirement (Remediation), Units: 3

Pre-Requirement	o MATH 125 or MATH 126 (1541/0010) [Same Term OK] o see above and o MATH 125 or MATH 126 (1644/0010) [Same Term OK] o see above and o MATH 125 or MATH 126 (1644/0020) [Same Term OK] o see above

01.02 **CIS 100 or CS 100**
0015, Major Requirement (Major Requirement), Units: 1
Min Grade Points/Unit: 2
Notes: CIS 100 or CS 100

01.03 **MATH 160 (Fulfills Subject Area 2)**
0010, 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 (01.01) above and o MATH 125 or MATH 126 (1644/0010) o see (01.01) above and o MATH 125 or MATH 126 (1644/0020) o see (01.01) above

01.04 **Additional Elective - 3 Units**
0380, Elective Requirement (Elective), Units: 3
Allow Any Course: Unused Courses
Notes: Additional Elective - 3 Units: For First Year Freshman Students UNIV 180-5 is recommended.
Display Note: Y
Typically Offered: Intermittently

01.05 **GE Science 5A (NOTE: The 5A and 5B courses should be chosen so that one of these also satisfies the laboratory (5C) requirement.)**
0290, CAL GETC (GE-5A Physical Science)
Units: 3
Major 1 Only: Y
Typically Offered:

Co-Req

GE Science 5A Lab (Fulfills GE Area 5C: Only One Science Lab is Required) (1 of 1)
0300, CAL GETC (GE-5A Physical Science), Units: 0

Co-Sequence	GE Science 5A Lab (Fulfills GE Area 5C: Only One Science Lab is Required) (2326/0300)

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)

Planner Requirements Overview

01.06 **GE Science 5A Lab (Fulfills GE Area 5C: Only One Science Lab is Required)** 0300, CAL GETC (GE-5A Physical Science) Units: 0 Major 1 Only: Y Typically Offered:	Co-Req	**GE Science 5A (NOTE: The 5A and 5B courses should be chosen so that one of these also satisfies the laboratory (5C) requirement.) (1 of 1)** 0290, CAL GETC (GE-5A Physical 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)

[02] 2nd Semester (Units: 16, Lines: 6)

02.01 **CS 211** 0030, Major Requirement (Major Requirement) Units: 4,CRITICAL Min Grade Points/Unit: 2 Typically Offered:	Co-Req	**MATH 160 (Fulfills Subject Area 2) (1 of 1)** 0010, Major Requirement (GE-2 Math/Quant Reasoning), Units: 5

Pre-Requirement	o CS 111 (2326/0020) o see above and o MATH 160 (Fulfills Subject Area 2) (2326/0010) [Same Term OK] o see above

02.02 **CIS 200** — Typically Offered: Fall and/or Spring
0040, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o CIS 100 or CS 100 (2326/0015)

02.03 **GE - Oral Communication (Fulfills Subject Area 1C)** — Major 1 Only: Y
0250, CAL GETC (GE-1C Oral Communication), Units: 3
Min Grade Points/Unit: 1.7

02.04 **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]

02.05 **Subject Area 1B - Critical Thinking** Major 1 Only: Y
0280, CAL GETC (GE-1B Critical Thinking), Units: 3

[03] 3rd Semester (Units: 16, Lines: 6)

03.01 **CS 310** Typically Offered: Fall and/or Spring
0120, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o CS 111 (2326/0020) o see (02.01) above

03.02 **CS 311** Typically Offered: Fall/Spring/Summer
0060, Major Requirement (Major Requirement), Units: 3
CRITICAL
Min Grade Points/Unit: 2

Pre-Requirement	o CS 211 (2326/0030) o see above and o MATH 270 (2326/0050) [Same Term OK] o see above

03.03 **MATH 270** Typically Offered: Fall and/or Spring
0050, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o MATH 160 (Fulfills Subject Area 2) (2326/0010) o see (02.01) above

03.04 **ACCT 203** Typically Offered: Fall and/or Spring
0080, Major Requirement (Major Requirement), Units: 4
Min Grade Points/Unit: 2

03.05 **Additional Elective - 3 Units** Typically Offered: Intermittently
0430, Elective Requirement (Elective), Units: 3
Allow Any Course: Unused Courses
Notes: Additional Elective - 3 Units

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

04.01 **CIS 341** Typically Offered: Spring Only
0070, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o CS 211 (2326/0030) o see (03.02) above

04.02 **CS 443** Typically Offered: Fall and/or Spring
0160, Major Requirement (Major Requirement), Units: 3
CRITICAL
Min Grade Points/Unit: 2

Pre-Requirement	o CS 311 (2326/0060) o see above

04.03 **GE Science 5B (NOTE: The 5A and 5B courses should be chosen so that one of these also satisfies the laboratory (5C) requirement.)**
0310, CAL GETC (GE-5B Biological Science)
Units: 3
Major 1 Only: Y
Typically Offered:



GE Science 5B Lab (Fulfills GE Area 5C: Only One Science Lab is Required) (1 of 1)
0320, CAL GETC (GE-5B Biological Science), Units: 0

Co-Sequence	GE Science 5B Lab (Fulfills GE Area 5C: Only One Science Lab is Required) (2326/0320)

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)

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

04.04 **GE Science 5B Lab (Fulfills GE Area 5C: Only One Science Lab is Required)** 0320, CAL GETC (GE-5B Biological Science) Units: 0 Major 1 Only: Y Typically Offered:	Co-Req	**GE Science 5B (NOTE: The 5A and 5B courses should be chosen so that one of these also satisfies the laboratory (5C) requirement.) (1 of 1)** 0310, 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
0360, CAL GETC (GE-3/4/6), Units: 3

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

05.01 **ECON 201** — Typically Offered: Fall/Spring/Summer
0090, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

05.02 **CIS 444** — Typically Offered: Fall and/or Spring
0190, Major Requirement (Major Requirement), Units: 3
CRITICAL
Min Grade Points/Unit: 2

Pre-Requirement	o CS 443 (2326/0160) o see above

05.03 **MATH 242** — Typically Offered: Fall/Spring/Summer
0140, Major Requirement (Major Requirement), 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) (1602/0080) and o [Support Course] MATH 105 (Fulfills Subject Area 2) (1602/0060) and o [Support Course] MATH 105 (Fulfills Subject Area 2) (1602/0040) and o [Support Course] MATH 105 (Fulfills Subject Area 2) (1601/0080) and o [Support Course] MATH 105 (Fulfills Subject Area 2) (1601/0060) and o [Support Course] MATH 105 (Fulfills Subject Area 2) (1601/0040) and o MATH 115 (2350/0010) o see above and o MATH 115 (2350/0020) o see above

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

05.06 **SUBJECT AREA - 3A, 3B, 4H, 4C, 6** Major 1 Only: Y
0340, CAL GETC (GE-3/4/6), Units: 3

[06] 6th Semester (Units: 15, Lines: 5)

06.01 **CS 452** Typically Offered: Fall and/or Spring
0100, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o CIS 444 (2326/0190) o see above

06.02 **ECON 202** Typically Offered: Fall/Spring/Summer
0130, Major Requirement (GE-4 Social Science), Units: 3
Min Grade Points/Unit: 2

06.03 **CS 436** Typically Offered: Fall and/or Spring
0110, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o CS 311 (2326/0060) o see (04.02) above

06.04 **SUBJECT AREA - 3A, 3B, 4H, 4C, 6** Major 1 Only: Y
0370, CAL GETC (GE-3/4/6), Units: 3

06.05 **UPPER-DIVISION CS/CIS ELECTIVE**
0445, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2
Notes: You are encouraged to consult with your faculty advisor prior to choosing CIS Elective courses. 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] 7th Semester (Units: 13, Lines: 6)
Taking 12 units or more of CS courses per semester will be a very heavy load, requiring 6-8 hours outside the class per course. Be mindful of arranging your work schedule.

07.01 **CS 370 or SE 370** Typically Offered: Fall and/or Spring
0200, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o CS 311 (2326/0060) o see (04.02) above

07.02 **MKTG 302**
0220, Major Requirement (Major Requirement), Units: 2
Min Grade Points/Unit: 2

Pre-Requirement	o ACCT 203 (2326/0080) and o ECON 201 (2326/0090) and o ECON 202 (2326/0130) and o MATH 160 (Fulfills Subject Area 2) (2326/0010) o see (02.01) above

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

07.04 **CIS 470** Typically Offered: Fall/Spring/Summer
0150, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o CS 311 (2326/0060) o see (04.02) above and o MATH 242 (2326/0140) [Same Term OK] o see above

07.05 **OM 302**
0240, Major Requirement (Major Requirement), Units: 2
Min Grade Points/Unit: 2

Pre-Requirement	o ACCT 203 (2326/0080) and o ECON 201 (2326/0090) and o ECON 202 (2326/0130) and o MATH 160 (Fulfills Subject Area 2) (2326/0010) o see (02.01) above

[08] 8th Semester (Units: 14, Lines: 6)
Taking 12 units or more of CS courses per semester will be a very heavy load, requiring 6-8 hours outside the class per course. Be mindful of arranging your work schedule.

08.01 **CIS 490** Typically Offered: Spring Only
0230, Major Requirement (Major Requirement), Units: 3
CRITICAL
Min Grade Points/Unit: 2

Pre-Requirement	o CIS 444 (2326/0190) o see (06.01) above and o CIS 200 (2326/0040) o see above

08.02 **UPPER-DIVISION CS/CIS ELECTIVE** Display Note: Y
0440, Major Requirement (Major Elective), Units: 3
Min Grade Points/Unit: 2
Notes: You are encouraged to consult with your faculty advisor prior to choosing CIS Elective courses. 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.

08.03 **GE Upper Division** Major 1 Only: Y
0400, CAL GETC (Upper Division GE), Units: 3

08.04 **UPPER-DIVISION CS/CIS ELECTIVE** Display Note: Y
0410, Major Requirement (Major Elective), Units: 3
Notes: You are encouraged to consult with your faculty advisor prior to choosing CIS Elective courses. 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.

08.05 **Additional Elective - 2 Units** Typically Offered: Intermittently
0420, Elective Requirement (Elective), Units: 2
Allow Any Course: Unused Courses