Planner Requirements Overview

ENGRCMPBBS 2025 Sequence (Requirement: 000002388, Effective Date: 08/01/2025)

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

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

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 160 (Fulfills Subject Area 2) (1 of 1)
0010, Major Requirement (GE-2 Math/Quant Reasoning),
Units: 5

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

01.02 **MATH 160 (Fulfills Subject Area 2)**
0010, 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.
Typically Offered: Fall/Spring/Summer

Co-Req

CS 111 (1 of 1)
0020, Major Requirement (Major Requirement), Units: 4

Pre-Requirement
- o MATH 125 or MATH 126 (1541/0010)
  - o see (01.01) above
  - or
- o MATH 125 or MATH 126 (1644/0010)
  - o see (01.01) above
  - or
- o MATH 125 or MATH 126 (1644/0020)
  - o see (01.01) above

01.03 **Additional Elective - 3 Units**
0300, 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

01.04 **Additional Elective - 3 Units**
0330, Elective Requirement (Elective), Units: 3
Allow Any Course: Unused Courses
Typically Offered: Intermittently

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

02.01 **CS 211**
0050, Major Requirement (Major Requirement), Units: 4
Min Grade Points/Unit: 2
Typically Offered: Fall and/or Spring

Pre-Requirement
- o CS 111 (2388/0020)
  - o see above
  - and
- o MATH 160 (Fulfills Subject Area 2) (2388/0010) [Same Term OK]
  - o see above

02.02 **MATH 162**
0395, Major Requirement (Major Requirement), Units: 4
CRITICAL
Min Grade Points/Unit: 2
Typically Offered: Fall/Spring/Summer

Pre-Requirement
- o MATH 160 (Fulfills Subject Area 2) (2388/0010)
  - o see (02.01) above

02.02 **PHYS 201** Typically Offered: Fall and/or Spring
0030, Major Requirement (Major Requirement), Units: 4
Min Grade Points/Unit: 2

Pre-Requirement	o MATH 160 (Fulfills Subject Area 2) (2388/0010) o see (02.01) above

02.04 **GEW 101B (formerly GEW 101) (Fulfills Subject Area 1A)** Major 1 Only: Y
0200, 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]

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

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

03.02 **MATH 260A** Typically Offered: Fall Only
0060, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o MATH 162 (2388/0395) o see above

03.02 **PHYS 202** Typically Offered: Fall and/or Spring
0040, Major Requirement (Major Requirement), Units: 4
Min Grade Points/Unit: 2

Pre-Requirement	o MATH 162 (2388/0395) o see above and o PHYS 201 (2388/0030) o see above

03.03 **MATH 270** Typically Offered: Fall and/or Spring
0090, Major Requirement (Major Requirement), Units: 3
CRITICAL
Min Grade Points/Unit: 2

Pre-Requirement	o MATH 160 (Fulfills Subject Area 2) (2388/0010) o see (02.01) above

03.05 **GE - Oral Communication (Fulfills Subject Area 1C)** Major 1 Only: Y
0190, CAL GETC (GE-1C Oral Communication), Units: 3
Min Grade Points/Unit: 1.7

[04] 4th Semester (Units: 14, Lines: 5)

Planner Requirements Overview

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

04.03 **Subject Area 1B - Critical Thinking** — Major 1 Only: Y
0260, CAL GETC (GE-1B Critical Thinking), Units: 3

04.04 **EE 280** — Typically Offered: Fall and/or Spring
0080, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o PHYS 202 (2388/0040) o see above

04.05 **Additional Elective - 1 units** — Typically Offered: Intermittently
0405, Elective Requirement (Elective), Units: 1
Allow Any Course: Unused Courses

04.05 **CS 231** — Typically Offered: Fall and/or Spring
0070, Major Requirement (Major Requirement), Units: 4
CRITICAL
Min Grade Points/Unit: 2

Pre-Requirement	o CS 111 (2388/0020) o see (02.01) above

[05] 5th Semester (Units: 15, Lines: 6)

05.01 **CE 310** — Typically Offered: Fall and/or Spring
0100, Major Requirement (Major Requirement), Units: 1
Min Grade Points/Unit: 2

Pre-Requirement	o CE 100 (2388/0130) and o CS 231 (2388/0070) o see above

05.02 **CS 331** — Typically Offered: Fall and/or Spring
0110, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o CS 231 (2388/0070) o see (05.01) above

05.03 **CE/EE 301**
0120, Major Requirement (Major Requirement), Units: 4
Min Grade Points/Unit: 2

Pre-Requirement	o CS 231 (2388/0070) o see (05.01) above and o PHYS 202 (2388/0040) o see (04.04) above

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

05.05 **SUBJECT AREA - 3A, 3B, 4H, 4C, 6** — Major 1 Only: Y
0250, CAL GETC (GE-3/4/6), Units: 3

05.05 **CE 100** — Typically Offered: Fall and/or Spring
0130, Major Requirement (Major Requirement), Units: 1
Min Grade Points/Unit: 2

[06] 6th Semester (Units: 16, Lines: 5)

06.01 **EE 303** — Typically Offered: Fall and/or Spring
0140, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o EE 280 (2388/0080) o see above and o MATH 346 (2388/0150) [Same Term OK] o see above

06.02 **MATH 346** Typically Offered: Fall and/or Spring
0150, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o MATH 162 (2388/0395) o see (03.02) above

06.03 **CE/EE 402**
0160, Major Requirement (Major Requirement), Units: 4
Min Grade Points/Unit: 2

Pre-Requirement	o CE/EE 301 (2388/0120) o see above

06.04 **MATH 342** Typically Offered: Fall and/or Spring
0170, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o CS 111 (2388/0020) o see (02.01) above and o MATH 260A (2388/0060) o see above

06.05 **CS 311** Typically Offered: Fall/Spring/Summer
0180, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o CS 211 (2388/0050) o see above and o MATH 270 (2388/0090) [Same Term OK] o see above

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

07.01 **EE 330** Typically Offered: Fall and/or Spring
0340, Major Requirement (Major Requirement), Units: 4
Min Grade Points/Unit: 2

Pre-Requirement	o EE 280 (2388/0080) o see (06.01) above

07.02 **CS 436** Typically Offered: Fall and/or Spring
0350, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o CS 311 (2388/0180) o see above

07.03 **PHIL 348** Typically Offered: Intermittently
0310, Major Requirement (GE-UD 3 GE UD Arts & Humanitie), Units: 3
Min Grade Points/Unit: 2

07.03 **CE/EE 491A**
0360, Major Requirement (Major Requirement), Units: 1
Min Grade Points/Unit: 2

07.04 **CE 411** Typically Offered: Fall and/or Spring
0370, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o CE 310 (2388/0100) o see above and o CS 331 (2388/0110) o see above

[08] 8th Semester (Units: 15, Lines: 5)

Planner Requirements Overview

08.01 **CE/EE 491B**
0380, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o CE/EE 491A (2388/0360)

08.02 **CS 433** Typically Offered: Fall and/or Spring
0390, Major Requirement (Major Requirement), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o CS 231 (2388/0070) o see (05.01) above and o CS 311 (2388/0180) o see (07.02) above

08.03 **CE ELECTIVE - Please check course Pre-requisites before selecting a course**
0400, Major Requirement (Major Elective), Units: 3
Min Grade Points/Unit: 2

Pre-Requirement	o CE/EE 301 (2388/0120) o see (06.03) above

08.03 **GE Upper Division** Major 1 Only: Y
0320, CAL GETC (Upper Division GE), Units: 3

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