

Proposed Final BRAE Flowchart (Fall 2026 Cohort)

127 Units

Freshman		Sophomore		Junior		Senior	
FALL	SPRING	FALL	SPRING	FALL	SPRING	FALL	SPRING
Intro to BRAE/ASM BRAE 1128 (2)	CAD for Ag Eng. BRAE 1150 (2)	Irrigation I BRAE 2236 (4)	Ag Electrical I BRAE 2216 (4)	Hydraulics BRAE 3312 (3)	Irrigation II BRAE 4414 (3)	Ag Structures BRAE 4433 (4)	BRAE Pillar Focus Course (3)
Physics I (4) GE B1 & B3	Physics II (4)	Chemistry (4)	Intro to Biological Systems BRAE 2220 (4) GE B2	Env. Controls BRAE 3332 (3)	Bioresource I BRAE 3320 (3)	BRAE Pillar Focus Course (3)	Senior Project II BRAE 4461 (2)
Math Calc. I (4) GE B4	Math Calc. II (4)	Math Calc. III (3)	BRAE Mechanics I BRAE 2221 (4)	Surveying BRAE 1239 (3)	Ag Electrical II BRAE 4428 (4)	Senior Project I BRAE 4460 (1)	Statistical Methods for Engineers (3) GE B Upper Div.
GE A2 (3)	GE F (3)	GE C2 (3)	Computer Science / Programming (2)	BRAE Mechanics II BRAE 2222 (4)	Mech / Equip Engineering I BRAE 3234 (4)	Mech / Equip Engineering II BRAE 4422 (3)	GE D4 (3) Upper Div.
GE C1 (3)	GE A1 (3)	GE D1 (3)	GE A3 (3)	Econ 201 or 221 GE D2 (3)	Elective (3)	Agricultural Systems Engineering BRAE 4403 (3)	GE C3 (3) Upper Div.
Total 16 Units	Total 16 Units	Total 17 Units	Total 17 Units	Total 16 Units	Total 17 Units	Total 14 Units	Total 14 Units

Required before Fall 2026
- **GE D1** to Freshman Yr

Proposed Final BRAE Flowchart Fall 2025 Cohort
138 Units (45 Quarter, 93 Semester)

Do NOT take before Fall 2026
- **Physics II**
- **Take Fall Soph. Yr**

Freshman (Quarter)

Sophomore

Junior

Senior

Freshman (Quarter)			Sophomore		Junior		Senior	
FALL	WINTER	SPRING	FALL	SPRING	FALL	SPRING	FALL	SPRING
Intro to BRAE/ASM BRAE 128 (2)	CAD for Ag Eng. BRAE 150 (2)	CAD for Ag Eng. BRAE 152 (1)	Irrigation I BRAE 2236 (4)	Ag Electrical I BRAE 2216 (4)	Hydraulics BRAE 3312 (3)	Irrigation II BRAE 4414 (3)	Ag Structures BRAE 4433 (4)	Agricultural Systems Engineering BRAE 4403 (3)
BRAE 129 (1)	Physics I (4) GE B1 & B3	GE D1 (3)	Chemistry (4)	Intro to Biological Systems BRAE 2220 (4) GE B2	Env. Controls BRAE 3332 (3)	Bioresource I BRAE 3320 (3)	BRAE Pillar Focus Course (3)	BRAE Pillar Focus Course (3)
Math Calc. Iq (4) GE B4	Math Calc. IIq (4) GE B4	Math Calc. IIIq (4)	Math Calc. III (3)	BRAE Mechanics I BRAE 2221 (4)	Surveying BRAE 1239 (3)	Ag Electrical II BRAE 4428 (4)	Senior Project I BRAE 4460 (1)	Senior Project II BRAE 4461 (2)
GE A1 (4)		GE F (4)	Physics II (4)	Computer Science / Programming (2)	BRAE Mechanics II BRAE 2222 (4)	Mech / Equip Engineering I BRAE 3234 (4)	Mech / Equip Engineering II BRAE 4422 (3)	Statistical Methods for Engineers (3) GE B Upper Div.
GE A2 (4)	GE A3 (4)	GE C1 (4)		GE C2 (3)	Econ 201 or 221 GE D2 (3)	Elective (3)	GE C3 (3) Upper Div.	GE D4 (3) Upper Div.
Total 15 Units	Total 14 Units	Total 16 Units	Total 15 Units	Total 17 Units	Total 16 Units	Total 17 Units	Total 14 Units	Total 14 Units

REQUIRED before Fall 2026

- **CE 204** prereq for BRAE 2222
- GE C2

Proposed Final BRAE Flowchart Fall 2024 Cohort
155 Units (94 Quarter, 61 Semester)

Do NOT take before Fall 2026

- **BRAE 234**

Freshman (Quarter)

Sophomore (Quarter)

Junior

Senior

Freshman (Quarter)			Sophomore (Quarter)			Junior		Senior	
FALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	SPRING	FALL	SPRING
Intro to BRAE/ASM BRAE 128 (2)	CAD for Ag Eng. BRAE 150 (2)	CAD for Ag Eng. BRAE 152 (1)	Irrigation I BRAE 236 (4)	Intro to Biological Systems BRAE 220 (4) GE B2	BRAE Ag Struct. 1 BRAE 232 (4)	Hydraulics BRAE 3312 (3)	Irrigation II BRAE 4414 (3)	Ag Structures BRAE 4433 (4)	BRAE Pillar Focus Course (3)
BRAE 129 (1)	Physics I (4) GE B1 & B3	Physics II (4)	Physics III (4)		GE C2 (4)	Env. Controls BRAE 3332 (3)	Bioresource I BRAE 3320 (3)	BRAE Pillar Focus Course (3)	Senior Project II BRAE 4461 (2)
Math Calc. Iq (4) GE B4	Math Calc. IIq (4) GE B4	Math Calc. IIIq (4)	Math Calc. IV (4)	Chemistry 1 (4)	Chemistry 2 (4)	Surveying BRAE 1239 (3)	Ag Electrical II BRAE 4428 (4)	Senior Project I BRAE 4460 (1)	Statistical Methods for Engineers (3) GE B Upper Div.
GE A1 (4)		GE F (4)	Ag Electrical I BRAE 216 (4)	ME 211 (3)	CE 204 (3)	BRAE Mechanics II BRAE 2222 (4)	Mech / Equip Engineering I BRAE 3234 (4)	Mech / Equip Engineering II BRAE 4422 (3)	GE D4 (3) Upper Div.
GE A2 (4)	GE A3 (4)	GE C1 (4)		GE D1 (4)	Computer Science / Programming (2)	Econ 201 or 221 GE D2 (3)	Elective (3)	Agricultural Systems Engineering BRAE 4403 (3)	GE C3 (3) Upper Div.
Total 15 Units	Total 14 Units	Total 17 Units	Total 16 Units	Total 15 Units	Total 17 Units	Total 16 Units	Total 17 Units	Total 14 Units	Total 14 Units

REQUIRED before Fall 2026

- **CE 207** prereq for BRAE 4422
- **BRAE 239** surveying

Proposed Final BRAE Flowchart Fall 2023 Cohort

171 Units (142 Quarter, 29 Semester)

Do NOT take before Fall 2026

- **BRAE 4428**

Freshman (Quarter)

Sophomore (Quarter)

Junior (Quarter)

Senior

Freshman (Quarter)			Sophomore (Quarter)			Junior (Quarter)			Senior	
FALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	SPRING
Intro to BRAE/ASM BRAE 128 (2)	CAD for Ag Eng. BRAE 150 (2)	CAD for Ag Eng. BRAE 152 (1)	Irrigation I BRAE 236 (4)	Intro to Biological Systems BRAE 220 (4) GE B2	Ag Struct. 1 BRAE 232 (4)	Hydraulics BRAE 312 (4)	Irr. Theory BRAE 331 (3)	Irrigation II BRAE 414 (4)	Ag Structures BRAE 4433 (4)	Advanced Elec. And Robot BRAE 4428 (4)
BRAE 129 (1)	Physics I (4) GE B1 & B3	Physics II (4)	Physics III (4)		Mech. Systems BRAE 234 (4)	EE 321 & 361 (4)	Meas. & Comp. Interfacing BRAE 328 (4)	Bioresource I BRAE 320 (4)	BRAE Pillar Focus Course (3)	Senior Project II BRAE 4461 (2)
Math Calc. Iq (4) GE B4	Math Calc. IIq (4) GE B4	Math Calc. IIIq (4)	Math Calc. IV (4)	Chemistry 1 (4)	Chemistry 2 (4)	STAT 312 Upper B (4)	GE F (4)	Env. Controls BRAE 332 (4)	Senior Project I BRAE 4460 (1)	Statistical Methods for Engineers (3) GE B Upper Div.
GE A1 (4)		Surveying BRAE 239 (4)	Ag Electrical I BRAE 216 (4)	ME 211 (3)	ME 212 (3)		CE 204 (3)	CE 207 (2)	Mech / Equip Engineering II BRAE 4422 (3)	GE D4 (3) Upper Div.
GE A2 (4)	GE A3 (4)	GE C1 (4)		GE D1 (4)	Computer Science / Programming (2)	Econ 201 or 221 GE D2 (4)	GE C2 (4)		Agricultural Systems Engineering BRAE 4403 (3)	GE C3 (3) Upper Div.
Total 15 Units	Total 14 Units	Total 17 Units	Total 16 Units	Total 15 Units	Total 17 Units	Total 16 Units	Total 18 Units	Total 14 Units	Total 14 Units	Total 15 Units