

Semester Course	Quarter Course Equivalent	Course Title	Major	Offered Fall	Offered Spring	Notes
BRAE 1128	BRAE 128 + BRAE 129	Careers in BioResource and Agricultural Engineering	ASM and BRAE	✓		
BRAE 1141	BRAE 141	Agricultural Machinery Safety	Service	✓	✓	
BRAE 1150	BRAE 150+BRAE 152	Design Graphics and CAD for Agricultural Engineering	ASM and BRAE	✓	✓	
BRAE 1239	BRAE 239	Engineering Surveying	ASM and BRAE + Service	✓	✓	
BRAE 2142	BRAE 142	Agricultural Power and Machinery Management	ASM		✓	
BRAE 2203	BRAE 203	Systems Management I	ASM	✓		
BRAE 2216	BRAE 216	Fundamentals of Electricity	BRAE		✓	
BRAE 2220	BRAE 220	Introduction to Biological Systems	BRAE+Service		✓	
BRAE 2221	ME 211+CE 204	Engineering Mechanics with Agricultural Applications I	BRAE		✓	
BRAE 2222	ME 212+CE 207	Engineering Mechanics with Agricultural Applications II	BRAE	✓		
BRAE 2236	BRAE 236	Principles of Irrigation	BRAE	✓		
BRAE 2237	BRAE 237	Introduction to Engineering Surveying	Service	✓	✓	
BRAE 3234	BRAE 234	Equipment Engineering I	BRAE		✓	
BRAE 3301	BRAE 301	Hydraulic and Mechanical Power Systems	ASM	✓		
BRAE 3312	BRAE 312	Hydraulics	BRAE	✓		
BRAE 3317	BRAE 317	Systems Management II	ASM		✓	
BRAE 3320	BRAE 320	Bioresource Engineering	BRAE		✓	
BRAE 3332	BRAE 332	Environmental Controls for Agricultural Structures	BRAE	✓		
BRAE 3335	BRAE 335	Internal Combustion Engines	Elective			not scheduled for 2026-27
BRAE 3340	BRAE 340	Irrigation Water Management	ASM +Service	✓	✓	
BRAE 3343	BRAE 343	Mechanical Systems Analysis	ASM		✓	
BRAE 3344	BRAE 344	Fabrication Systems	Elective		✓	
BRAE 3345	BRAE 345	Photogrammetry and Remote Sensing with GIS Applications	Service	✓		
BRAE 3348	BRAE 348	Energy for a Sustainable Society	ASM +Service	✓	✓	
BRAE 3349	BRAE 349	Water for a Sustainable Society	Service	✓	✓	
BRAE 4302	BRAE 302	Servo Hydraulics	Elective	✓		Offerede every other year
BRAE 4403	BRAE 403	Agricultural Engineering Ethics, Economics, and Optimization	BRAE	✓		
BRAE 4414	BRAE 331+BRAE 414	Irrigation Engineering	BRAE		✓	
BRAE 4419	BRAE 419	Systems Management III	ASM	✓		
BRAE 4422	BRAE 422	Equipment Engineering II	BRAE	✓		
BRAE 4425	BRAE 425	Agricultural Mechatronics	ASM	✓		
BRAE 4428	BRAE 428	Agricultural Robotics and Automation	BRAE		✓	
BRAE 4432	BRAE 432	Agricultural Buildings	ASM		✓	
BRAE 4433	BRAE 433	Agricultural Structures Design	BRAE	✓		
BRAE 4438	BRAE 333	Aquaculture	Service	✓		Cross listed with MSCI
BRAE 4440	BRAE 438 + BRAE 440	Agricultural Irrigation Systems	ASM	✓		
BRAE 4447	BRAE 447	Advanced Surveying with GIS Applications	Service		✓	
BRAE 4448	BRAE 448	Bioconversion	Elective			Offerede every other year
BRAE 4460	BRAE 460	Senior Project I	ASM and BRAE	✓		
BRAE 4461	BRAE 461	Senior Project II	ASM and BRAE		✓	
BRAE 5405	BRAE 405	Chemigation	BRAE		✓	
BRAE 5435	BRAE 435	Hydrology and Drainage	ASM and BRAE	✓		
BRAE 5436	BRAE 436	Food and Agriculture Process Water Engineering	ASM and BRAE		✓	Offerede every other year
BRAE 5532	BRAE 532	Water Pumps and Wells	ASM and BRAE		✓	
BRAE 5533	BRAE 533	Irrigation Project Design	ASM and BRAE		✓	