

RECOMMENDED ELECTIVES FOR BIOLOGICAL AND AGRICULTURAL ENGINEERING

05/13/13

All electives to be selected in consultation with the student’s advisor. In regards to the electives other than the MATH elective: students **must have** 6 hours (2 classes) in BAEN electives, 3 hours (1 class) of engineering electives, and 3 hours (1 class) of technical electives. Students may opt to take 3-4 classes within the BAEN electives if they choose.

Environmental and Natural Resources Engineering Emphasis			Food and Bioprocess Engineering Emphasis		Machine Systems Engineering Emphasis		Renewable Energy	
<i>Mathematics Electives</i> Select 3 hours of mathematics electives:								
CVEN 302 MATH 417	MEEN 357 STAT 211		CHEN 320 CVEN 302 MATH 304	MATH 417 MEEN 357 STAT 211	MEEN 357		CVEN 302 MATH 417	MEEN 357 STAT 211
<i>Technical Electives**</i> Select 0-3 hours of science or engineering electives:								
BESC 401 BESC 402 BESC 403 BIOL 357 ESSM 320 ESSM 420 ESSM 430	ESSM 440 ESSM 351 GEOG 390 GEOG 475 GEOL 320 GEOL 410 GEOL 451	RENREN 405 RENREN 470 SCSC 301 SCSC405 SCSC 445 SCSC 455 WFSC 414 WFSC 418	FSTC - any 300 or 400 level course except FSTC 315 BICH 303 BICH 410 GENE 301	ENDG 407 ENDG 408 SCSC 301 SCSC 445			BESC 357 ESSM 351 GEOG 390 RENREN 405 SCSC 425	
<i>Biological and Agricultural Engineering Electives</i> Select 6-12 hours from 400 level Biological and Agricultural Engineering courses:								
BAEN 460 BAEN 464 BAEN 465	BAEN 468 BAEN 469 BAEN 471	BAEN 477	BAEN 417 BAEN 422 BAEN 427	BAEN 465 BAEN 471	BAEN 412 BAEN 414 BAEN 477		BAEN 414 BAEN 417	BAEN 471 BAEN 477
<i>Engineering Electives**</i> Select 0-3 hours from 300 or 400 level engineering courses:								
CVEN 301 CVEN 303 CVEN 333 CVEN 339	CVEN 349 CVEN 402 CVEN 406 CVEN 413	CVEN 451 CVEN 455 CVEN 463	CHEN 455 CVEN 333 SENG 310	SENG 312 SENG 321	MEEN 360 MEEN 363 MEEN 364 MEEN 441	MEEN 442 MEEN 444 MEEN 465	CVEN 333	

**Technical electives and Engineering electives outside of the BAEN department might require prerequisites that we will not use towards your degree program in BAEN. You must check the prerequisites and ensure they are met if you plan to take specific courses.