Biological and Agricultural Engineering (MS): Systems Analysis Concentration

Degree Requirements

Code	Title	Hours	Counts towards
Required Courses		**2**	
BAE 591	Master's Research Methods I		
BAE 592	Master's Research Methods II		
Math / Statistics / Biomathematics Courses		**6**	
The required "Mathematics / Statistics / Biomathematics Courses" are determined in conjunction with the academic committee			
Elective Courses [1, 2]		**22**	
"Elective Courses" are determined in conjunction with the academic committee to meet the 30 total credit hours			
Total Hours		**30**	

1 Minimum of 20 credit hours must come from 500-level and above courses

2 Maximum 6 hours S/U graded courses

Concentration Electives

Code	Title	Hours	Counts towards
A minimum of 6 hours of elective courses must be taken from the following courses:		**6**	
BAE 501	Sensors and Controls	3	
BAE 527/427	Metabolic Systems Analysis		
BAE 535	Precision Agriculture Technology	3	
BAE 541	Foundation Tools to Agriculture, Food and Life Sciences Data		
BAE 542/542	Advanced Analytics to Agriculture, Food and Life Sciences Data		
BAE 555	R Coding for Data Management and Analysis		
BAE 565	Environmental and Agricultural Analytics and Modeling	3	
GIS 512	Introduction to Environmental Remote Sensing	3	
MEA 582	Geospatial Modeling	3	

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