Bachelor of Science in Biosystems Engineering†

Department of Agricultural and Biosystems Engineering

Mapping of Program Outcomes to Program Objectives

		UA BE Educational Objectives Produce graduates who are:		
BE Program Outcomes		**Effective engineers within natural resources and biotechnology related industries, and**	**Who have the foundation to perform and lead engineering projects and make significant contributions**	**Enrolled in an advanced engineering or medical or other professional degree program and are successful in those**
a	Can apply mathematics, science and engineering principles to solve problems	H	H	H
b	Can design and conduct experiments and analyze and interpret data	H	H	H
c	Can design a system, component or process to meet desired needs within realistic constraints	M	M	H
d	Can function on multidisciplinary teams	H	H	L
e	Can identify, formulate and solve engineering problems	H	H	H
f	Has an understanding of professional and ethical responsibility	H	H	M
g	Can communicate effectively	H	H	M
h	Has the broad education necessary to understand the impact of engineering solutions in global, economic, environmental and societal context	H	L	M
i	Recognize the need for and the ability to engage in lifelong learning.	H	H	H
j	Has a knowledge of relevant contemporary issues	H	H	L
k	Can use the techniques, skills, and modern engineering tools necessary for engineering practices.	H	H	M

H = High Contribution, M = Medium Contribution, L = Low Contribution, Blank = Little or no contribution