

The educational outcomes of the Engineering Physics Program follow from the educational objectives described in the previous section and are listed in Table I below. They correspond closely to the *Outcomes 3a -3k* set forth in ABET Criteria 2000 but are broadened slightly to reflect the increased emphasis on mathematics and fundamental concepts of physics that distinguish the Engineering Physics degree from other engineering degrees. They were reviewed by the Department faculty, without change, in March 2012.

TABLE I

Outcome Number	Outcomes of the Engineering Physics Program	Related ABET Outcome
1	An ability to apply knowledge of mathematics, science and engineering	3a
2	An ability to design and conduct experiments as well as to analyze and interpret data	3b
3	An ability to design a system, a component, a process or a measurement technique to meet specific criteria	3c
4	An ability to function on multidisciplinary teams	3d
5	An ability to identify, formulate and solve engineering and physics problems	3e
6	An understanding of modern professional and ethical responsibilities	3f
7	An ability to communicate effectively, both orally and in writing	3g
8	A general educational experience sufficient to support an understanding of the impact of engineering and science solutions in a global/societal context	3h
9	A recognition of the need for, and an ability to engage in, lifelong learning	3i
10	A knowledge of contemporary issues	3j
11	An ability to use the techniques, skills and modern tools necessary for engineering and physics practice	3k