

Program:	Petroleum Engineering
Degree:	BS
Department:	Petroleum Engineering
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Outcome	Master the depth of knowledge required for a degree
Marketable Skills	<ul style="list-style-type: none"> • (a) an ability to apply knowledge of mathematics, science, and engineering • (b) an ability to design and conduct experiments, as well as to analyze and interpret data • (j) a knowledge of contemporary issues

Outcome	Demonstrate critical thinking
Marketable Skills	<ul style="list-style-type: none"> • (e) an ability to identify, formulate, and solve engineering problems • *Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions. • *Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.

Outcome	Communicate effectively
Marketable Skills	<ul style="list-style-type: none"> • (g) an ability to communicate effectively • *Providing information to supervisors, co-workers, and subordinates by telephone, in written form, e-mail, or in person.

Outcome	Practice personal and social responsibility
Marketable Skills	<ul style="list-style-type: none"> • (f) an understanding of professional and ethical responsibility • (h) the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context

Outcome	Demonstrate social, cultural, and global competence
Marketable Skills	<ul style="list-style-type: none"> • (c) an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability

Outcome	Prepare to engage in lifelong learning
Marketable Skills	<ul style="list-style-type: none"> • (i) a recognition of the need for, and an ability to engage in life-long learning • *Job requires establishing and maintaining personally challenging achievement goals and exerting effort toward mastering tasks.

Outcome	Work collaboratively
Marketable Skills	<ul style="list-style-type: none"> • (d) an ability to function on multidisciplinary teams • (k) an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice. • *Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.