

Engineering Transfer (ENGN)-Surveying Program Map																	
T = Introduces the concept R = Reinforces or contributes additional information E = Emphasis (assumes level of mastery) The numeric refers to notes																	
Program Student Learning Outcomes																	
1 Complete a course of study that leads to successful transfer to a 4-yr ABET accredited program																	
EC-a, AE-a																	
2 Apply knowledge of mathematics, science, and engineering																	
EC-a, EC-d, Ia-d																	
3 Identify, formulate, and solve engineering problems																	
EC-a, Ia-c, Ia-d																	
4 Communicate effectively																	
EC-a, EC-b																	
5 Function on project teams																	
EC-a, EC-c, EU-b																	
6 Design and conduct experiments as well as analyze and interpret data																	
EC-a, EC-b, AE-a																	
7 Demonstrate knowledge of contemporary issues																	
EC-a, AF-e																	
8 Recognize and understand the need to engage in life-long learning																	
EC-a, EC-d, AE-e																	

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Effective Communications (EC)	
a. Use Standard English	EC-a
b. Grammar and mechanics.	EC-b
c. Create work that addresses a given purpose and context and responds to the target audience.	EC-c
d. Present a central idea, supported by concrete, relevant details.	EC-d
e. Establish a clear and consistent sequence of ideas.	EC-e
Analysis and Evaluation (AE)	
a. Identify and analyze complex ideas.	AE-a
b. Determine a research focus and the nature and scope of information needed.	AE-b
c. Locate, evaluate and use information effectively.	AE-c
d. Draw logical conclusions from information.	AE-d
e. Express well-reasoned or innovative perspectives.	AE-e

Interpret and Apply (IA)	
a. Demonstrate an understanding of mathematical, quantitative, or scientific purposes.	IA-a
b. Apply a scientific approach in asking questions.	IA-b
c. Apply mathematical, quantitative or scientific principles in solving problems.	IA-c
d. Interpret numeric information in graphical form.	IA-d
Evaluation and Understanding (EU)	
a. Evaluate dimensions of decisions.	EU-a
b. Use teamwork to accomplish tasks in groups.	EU-b
c. Demonstrate an understanding of global, cultural and historical perspectives.	EU-c