

**Los Angeles Valley College
Course Level Student Learning Outcomes (SLO)**

Course Name and Number: Engineering, General 101: Introduction to Science, Engineering and Technology

Course Objectives: (List the course objectives as they appear in the course outline of record.)

Orientation to the engineering profession to give stuents insight into the activities and rewards of engineering.

To review study skills and techniques as applicable to basic engineering subjects.

To give all students a basis for evaluating their probabilities of success in engineering and related fields.

To acquaint students with the opportunities in “engineering” outside the fields of engineering proper, such as the “technician” levels.

To present to all students the concept of the socio-humanistic role of engineering and technology.

Establish 1–2 course level student learning outcomes and indicate how each SLO will be assessed.

Course Level Student Learning Outcome	Assessment Measure
Students will be able to evaluate the role of engineering on our society and determine their aptitude for becoming an engineer.	Using standard evaluation procedures, the student will complete a Personal Inventory, an Occupational Inventory, and an Educational Planning Program, delineated as follows: Personal Inventory: 1. Tests and Inventories Administered: a. Raven Progressive Matrices b. Guilford-Zimmerman Aptitude Survey: General Reasoning c. Guilford-Zimmerman Aptitude Survey: Spatial Visualization d. E.T.S Co-Op e. Differential Aptitude Tests: Mechanical Reasoning f. Gregory: Academic Interest Inventory

	<p>Occupational Inventory:</p> <ol style="list-style-type: none">1. Interviews with workers in the Engineering field.2. Educational Requirements.3. Personal Qualifications.4. Comparison of Personal Inventory with Occupational Inventory. <p>Educational Planning</p> <ol style="list-style-type: none">1. Transfer curricula in engineering2. Technical curricula in engineering3. High school equivalent courses in math and science <p>A rubric will be developed that includes the bulleted elements above.</p>