SAN ANTONIO COLLEGE
Learning Outcomes Matrix for
General Education Exit Competencies

	Writing Skills	Oral Communication Skills	Mathematical Skills	Computer Skills	Reading Skills (AA & AS)	Critical Thinking Skills
Speech 1311 & 1321 - Syllabi Available on Department Website						
Learning Outcomes: 1) Demonstrate a basic understanding of techniques and dynamics of oral communication process		X				
2) Demonstrate ability to select and limit speech topics that are significant and appropriate for audience and occasion		X				
3) Demonstrate ability to formulate a thesis statement						X
4) Demonstrate ability to analyze an audience						X
5) Demonstrate ability to arrange ideas in an organized manner - patterns of arrangement, compelling introduction and conclusion and effective transitional statements						X
6) Demonstrate ability to identify, select, and use effective supporting material						X
7) Demonstrate various language devices (careful choice of words)		X				
8) Demonstrate good delivery techniques including vocal variety in rate, pitch, and intensity, clear articulation, and proper nonverbal techniques - movement, eye contact, gestures, and proper use of notes		X				
9) Demonstrate fair minded critical thinking and be willing to construct fair and accurate points of view and reasoning on issues						X
Measuring Mechanism: A capstone presentation in which all learning outcomes must be demonstrated		X				X
Speech-intensive Courses: The oral communication component of the course must count for at least 50% of the course grade. The total actual speaking time for each student must be a minimum of 20 minutes in each speech-intensive course taken, and at least one of the presentations should be a minimum of 5 minutes in length. The 20 minutes of speaking time should be for each individual student, thereby eliminating a 20 minute panel or round table discussion with a number of students.						

The AAS degree may substitute six credit hours of speech-intensive courses instead of Speech 1311 or Speech 1321. RNSG 2207 and RNSG 2221 are required speech-intensive courses for nursing majors.		X				
Additional Approved Speech-intensive Courses: Gerontology 2366, Gerontology 1341, ARTC 2311		X				

English 1301 & 1302 - Syllabi Available on Department Website						
Learning Outcomes: 1) Apply the principles of writing as a process - pre-writing, writing, revising, proofreading, and editing	X					
2) Read and understand course materials and apply basic principles of critical thinking in analyzing non-fiction prose					X	X
3) Demonstrate ability to incorporate research and documentation into written assignments	X				X	
4) Apply appropriate modes of organization, including paragraph development, introductions, and conclusions in development of expository essays	X					
5) Achieve competency in edited standard written American English to include the conventions of grammar and spelling	X					
Measuring Mechanism: Students will demonstrate mastery of the learning objectives listed on each syllabus by writing a minimum of four essays totaling at least 4000 words plus an in-class final exam of at least 500 words for each course	X				X	X

Mathematics 1314 - Syllabus Available on Department Website						
Learning Outcomes: 1) Demonstrate critical thinking with respect to functions, their graphs, and their properties			X			X
2) Demonstrate understanding of the complexities and be able to distinguish between polynomial, rational, exponential and logarithmic functions, and be able to analyze and solve applications.			X			
3) Solve systems of equations by applying matrices and determinants.			X			X
Measuring mechanism: A sequence of exams leading to a comprehensive final exam			X			X
OR						
Mathematics 1332 - Syllabus Available on Department Website						
Learning Outcomes: 1) Solve problems through reasoning, estimation, and study of logic, set theory and various mathematical systems			X			X

2) Demonstrate an understanding of concepts and applications of functions and their graphs, right triangle properties, and trigonometric ratios			X			
3) Demonstrate an understanding of the Fundamental Counting Principle and fundamentals of theoretical and empirical probability as used to determine the cardinality of sample spaces, permutations and combinations, and probabilities of events			X			
Measuring Mechanism: A sequence of exams leading to a comprehensive final exam			X			X

Computer Literacy-COSC 1301; ITSC 1301; ITSC 1309; Computer Literacy Challenge Test						
List Outcomes: 1) Demonstrate ability to use software to create and manipulate files containing documents, worksheets, databases, and presentations suitable for coursework and professional purposes.				X		
2) Demonstrate ability to use the World Wide Web and the Internet				X		
Measuring Mechanism: A written comprehensive final exam				X		

Computer Literacy Challenge Test

Part #1 - Theory The student must answer fifty to seventy-five questions reflecting knowledge of computer terminology and concepts at a minimum of 70 percent accuracy; otherwise, the computer literacy testing process is terminated.

Part #2 - Practical Applications A three-part test covering the following software applications should be completed in two hours or less. It will consist of the following three sections: word processing, spreadsheets, and database.