

Applicant Name: _____ CSULB ID #: _____

**CALIFORNIA STATE UNIVERSITY, LONG BEACH - Psychology Graduate Office
MASTER OF SCIENCE (HUMAN FACTORS OPTION) DEGREE PROGRAM PREREQUISITE LIST**

Listed on this form are the required prerequisites for the MS-Human Factors Program in Psychology. To the best of your ability, please indicate the courses you have taken that fulfill these requirements. If you feel that you have taken a similar course at a school other than CSULB that might be counted as an equivalent, *please include a syllabus (preferred) or catalog course description and any other supportive materials with this form. Please fill out as completely as possible.*

Course Number	Course Title and Description at CSULB	Or Equivalent (Course number, Title, & School name where taken)	# of Units Course Credit	Sem/Qtr & Year When Taken	Grade Received
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PSY 310 Intermediate Statistics*
(Required: 2 semester or 3 quarter **sequential** statistical courses)
Course Description: Basic theoretical concepts of statistics and the use of these concepts in the selection and development of model testing, hypothesis testing and parameter estimation procedures. Both single measure (univariate) and correlation (bivariate) concepts are included. Psy 110 (210) is prerequisite.
***Applicant must have 2 semesters or 3 quarters of statistical-only coursework.**

PSY 331 Sensation & Perception
Course Description: Basic phenomena of the senses, their physiological correlates and integration in complex perceptual judgments.

PSY 332 Cognition
Course Description: Study of higher-order processes basic to the acquisition of knowledge. Includes thinking, problem solving, creativity, information processing, decision making, judgment, concepts and imagination.

(Continued on page 2)

Important: Students lacking only 310 may be admitted to the program but must complete the course their first semester in attendance.

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CECS 174	Programming and Problem Solving I <i>Course Description:</i> Introduction to the basic concepts of computer science and the fundamental techniques for solving problems using the C++ programming language. Structured problem solving, object-oriented programming, programming style. Applications to numerical and non-numerical problems.				
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One or more of the following three courses:

PSY 340	Physiology of Behavior <i>Course Description:</i> An in-depth examination of central nervous system (CNS) components that underlie the major elements of our behavioral capabilities. Topics include the major structural and functional features of the neuron and of selected systems that are representative of the sensory, integrative and motor capabilities of the CNS.				
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PSY 341	Neuropsychology <i>Course Description:</i> Neurological correlates of behavior with special emphasis upon central nervous system structure and function. Experimental evidence on which neuropsychology theories of behavior are based.				
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PSY 342	Psychopharmacology <i>Course Description:</i> This course offers a broad introduction to the effects of various medications on the central nervous system and behavior. This includes neurotransmitter functions, physiological and biochemical mechanisms of drug action with emphasis on the effect of psychiatric medications, common "street drugs" and those sold over the counter; their potential for abuse is also considered.				
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