

General Prerequisites

PREREQUISITE COURSE AREA	CREDITS	EXAMPLES
<p>Physical Science (Physics or Chemistry)</p> <p>Physics – possible content areas for general physics</p> <ul style="list-style-type: none"> • basic principles of physics for non-majors • basic principles of mechanics • basic principles of sound • basic principles of thermodynamics and statistical mechanics • basic principles of electricity and magnetism • basic principles of energy <p>Chemistry – possible content areas for chemistry</p> <ul style="list-style-type: none"> • Functional groups and important biological molecules • Chemical principles in human or animal physiology (i.e., organic chemistry) • Atomic structure • Chemical bonding • Radioactivity • Behavior of gasses and solutions • Behavior of acid and bases • Hydrocarbons 	3	UH Mānoa courses: PHYS 100 PHYS 151 CHEM 151 CHEM 152 CHEM 161 CHEM 162
<p>Biological Sciences – should emphasize content area related to human or animal science</p> <ul style="list-style-type: none"> • General biology • Cellular biology • Cybernetic biology • Bioscience, life science • Ecology • Cytology • Embryology • Evolutionism, theory of evolution, theory of organic evolution • Genetic science, genetics • Microbiology • Molecular biology • Morphology • Neurobiology • Physiology • Radiobiology • Sociobiology 	3	UH Mānoa courses: BIOL 171 BIOL 172 BIOL 275 ZOOL 101 PHYL 141 PHYL 142

<p>Statistics – “the science of learning from data, and of measuring, controlling, and communicating uncertainty; and it thereby provides the navigation essential for controlling the course of scientific and societal advances.” ASA A stand-alone course in statistics is required. Courses NOT accepted:</p> <ul style="list-style-type: none"> • any directly related to CSD • any research methods coursework taught in lieu of, or in the absence of, basic statistics 	3	<p>SPAPP – CSD 438 -Statistics</p> <p>UH Mānoa courses: PSY 225 EDEP 429</p>
<p>Psychology</p>	3	<p>UH Manoa courses: PSY 100</p>
<p>Social and Behavioral Sciences Social Sciences – possible content areas</p> <ul style="list-style-type: none"> • Anthropology • Ethnic and cultural studies • Archaeology • Area studies • Economics • Gender and sexuality studies • Geography organizational studies • Political science <p>Behavioral Sciences – possible content areas</p> <ul style="list-style-type: none"> • Psychology • Psychobiology • Criminology and cognitive science 	3	<p>UH Mānoa courses: SOC 100 ANTH 151 ANTH 152 PSY 202 PSY 220 PSY 230 PSY 240 PSY 270 PSY 280</p>

CSD Prerequisites

PRE-REQUISITE COURSE AREA	CREDITS	UH ONLINE SPAPP COURSE
Fall Semester		
Phonetics - An introduction to the fundamentals of phonetic and phonological development, transcription of speech sounds, analysis, interpretation, and cultural variation.	3	CSD 432
Introduction to Communication Sciences and Disorders - Information and theoretical foundations serve as an introduction to the field of communication disorders. Provides an overview of the normal processes and disorders of speech, language, hearing, and swallowing.	3	CSD 436
Spring Semester		
Speech and Language Development - Provides an understanding of children's acquisition of speech, language, and normal communication development from birth through adolescence.	3	CSD 433
Introduction to Clinical Methods in Communication Sciences and Disorders - Provides observation and discussion of the clinical management of individuals with communication disorders and practical experience related to clinical procedures and requirements. Repeatable unlimited times.	3	CSD 435
Summer Semester		
Anatomy and Physiology of the Speech and Hearing Mechanism - Overview of the structures and functions of the speech, language, and hearing system used for communication and swallowing.	3	CSD 431
Acoustics and Psychoacoustics of Speech and Hearing - Provides an understanding of the fundamental processes underlying the production and perception of speech, as well as the physical and psychological aspects of sound and their measurement.	3	CSD 434
Introduction to Audiometry and Auditory Disorders - An overview of the anatomy and physiology of the auditory system, acoustic, basic knowledge of auditory disorders and testing procedures, and introduction to rehabilitative audiology.	3	CSD 437