

# UHM CSD PREREQUISITES

## General Prerequisites

PREREQUISITE COURSE AREA	CREDITS	EXAMPLES
<p><b>PHYSICAL SCIENCE (PHYSICS OR CHEMISTRY)</b></p> <p><b>PHYSICS</b> – possible content areas for general physics</p> <ul style="list-style-type: none"> <li>• basic principles of physics for non-majors</li> <li>• basic principles of mechanics</li> <li>• basic principles of sound</li> <li>• basic principles of thermodynamics and statistical mechanics</li> <li>• basic principles of electricity and magnetism</li> <li>• basic principles of energy</li> </ul> <p><b>CHEMISTRY</b> – possible content areas for chemistry</p> <ul style="list-style-type: none"> <li>• Functional groups and important biological molecules</li> <li>• Chemical principles in human or animal physiology (i.e., organic chemistry)</li> <li>• Atomic structure</li> <li>• Chemical bonding</li> <li>• Radioactivity</li> <li>• Behavior of gases and solutions</li> <li>• Behavior of acid and bases</li> <li>• Hydrocarbons</li> </ul>	3	<p>UH Manoa courses:</p> <ul style="list-style-type: none"> <li>• PHYS 100</li> <li>• PHYS 151</li> <li>• CHEM 151</li> <li>• CHEM 152</li> <li>• CHEM 161</li> <li>• CHEM 162</li> </ul>

# UHM CSD PREREQUISITES

<p><b>BIOLOGICAL SCIENCES</b> – should emphasize a content area related to human or animal science</p> <ul style="list-style-type: none"> <li>• General biology</li> <li>• Cellular biology</li> <li>• Cybernetic biology</li> <li>• Bioscience, life science</li> <li>• Ecology</li> <li>• Cytology</li> <li>• Embryology</li> <li>• Evolutionism, theory of evolution, theory of organic evolution</li> <li>• Genetic science, genetics</li> <li>• Microbiology</li> <li>• Molecular biology</li> <li>• Morphology</li> <li>• Neurobiology</li> <li>• Physiology</li> <li>• Radiobiology</li> <li>• Sociobiology</li> </ul>	3	<p>UH Manoa courses:</p> <ul style="list-style-type: none"> <li>• BIOL 171</li> <li>• BIOL 172</li> <li>• BIOL 275</li> <li>• ZOOL 101</li> <li>• PHYL 141</li> <li>• PHYL 142</li> </ul>
<p><b>STATISTICS</b> – “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.”</p> <p>ASHA Standard IV-A  <a href="https://www.asha.org/certification/2020-slp-certification-standards/">https://www.asha.org/certification/2020-slp-certification-standards/</a></p> <p>A stand-alone course in statistics is required.          Courses NOT accepted:</p> <ul style="list-style-type: none"> <li>• any directly related to CSD</li> <li>• any research methods coursework taught in lieu of, or in the absence of, basic statistics</li> </ul>	3	<p>SPAPP - CSD 438</p> <p>UH Manoa courses:</p> <ul style="list-style-type: none"> <li>• PSY 225</li> <li>• EDEP 429</li> </ul>
<p><b>BEHAVIORAL SCIENCES</b> – possible content areas</p> <ul style="list-style-type: none"> <li>• Psychology</li> <li>• Psychobiology</li> <li>• Criminology and cognitive science</li> </ul>	3	<p>UH Manoa courses:</p> <ul style="list-style-type: none"> <li>• PSY 100</li> <li>• PSY 202</li> <li>• PSY 220</li> <li>• PSY 230</li> <li>• PSY 240</li> </ul>

# UHM CSD PREREQUISITES

		<ul style="list-style-type: none"> <li>• PSY 270</li> <li>• PSY 280</li> </ul>
<b>SOCIAL SCIENCES</b> – possible content areas <ul style="list-style-type: none"> <li>• Anthropology</li> <li>• Ethnic and cultural studies</li> <li>• Archaeology</li> <li>• Area studies</li> <li>• Economics</li> <li>• Gender and sexuality studies</li> <li>• Geography organizational studies</li> <li>• Political science</li> </ul>	3	UH Manoa courses: <ul style="list-style-type: none"> <li>• SOC 100</li> <li>• ANTH 151</li> <li>• ANTH 152</li> </ul>

# UHM CSD PREREQUISITES

PRE-REQUISITE COURSE AREA	CREDITS	UH ONLINE SPAPP COURSE
<b>FALL SEMESTER</b>		
<b>PHONETICS</b> - An introduction to the fundamentals of phonetic and phonological development, transcription of speech sounds, analysis, interpretation, and cultural variation.	3	CSD 432
<b>INTRODUCTION TO COMMUNICATION SCIENCES AND DISORDERS</b> - 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
<b>SPRING SEMESTER</b>		
<b>SPEECH AND LANGUAGE DEVELOPMENT</b> - Provides an understanding of children's acquisition of speech, language, and normal communication development from birth through adolescence.	3	CSD 433
<b>INTRODUCTION TO CLINICAL METHODS IN COMMUNICATION SCIENCES AND DISORDERS</b> - 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
<b>SUMMER SEMESTER</b>		
<b>ANATOMY AND PHYSIOLOGY OF THE SPEECH AND HEARING MECHANISM</b> - Overview of the structures and functions of the speech, language, and hearing system used for communication and swallowing.	3	CSD 431
<b>ACOUSTICS AND PSYCHOACOUSTICS OF SPEECH AND HEARING</b> - 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
<b>INTRODUCTION TO AUDIOMETRY AND AUDITORY DISORDERS</b> - 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