

**FOOD SCIENCE GRADUATE PROGRAM Ph.D.  
Science Background Evaluation Worksheet**

“General Science” pre-requisite courses below are needed for admission. Missing classes must be made up during your graduate program and do not count towards your degree.

<b>Description</b>	<b>UC Davis Course Number</b>	<b>UC Davis Unit Equivalent</b>	<b>UCD Equivalent or Course Length</b>
<b>General Science</b>			
General Chemistry with lab, including Quantitative Analysis	CHE 2A, B, C	15	
Organic Chemistry with lab	CHE 8A, B <i>or</i> *CHE 118A, B, C	6	
Physical Chemistry	CHE 107A, B	6	
General Biochemistry (2 required)	BIS 102, 103 <i>or</i> FST 123	6	
Biochemistry Lab	MCB 120L <i>or</i> FST 123L	2-6	
Analytical Geometry and Calculus	MAT 16A, B, C	9	
Statistics including analysis of variance	Statistics 100 <i>or</i> FST 117	3-4	
Physics with lab	PHY 7A, B, C	12	
Microbiology	BIS 1A <i>or</i> MIC 102	4-5	
Nutrition (human)	NUT 111AV (virtual) <i>or</i> NUT 10 w/ approval	3-5	
<b>Food Science Breadth</b>			
Food Chemistry	FST 100A	4	
Food Microbiology	FST 104	3	
Food Microbiology Lab	FST 104L	4	
Food Processing	FST 110A	3	

\*CHE 118A,B,C is the preferred organic chemistry background preparation course sequence