

**UNIVERSITY OF CALIFORNIA, SAN DIEGO
EDUCATIONAL EFFECTIVENESS REVIEW
PRESCRIBED EXHIBITS AND DATA DISPLAYS**

Table 7.1b
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Inventory of Educational Effectiveness Indicators - Graduate
(as of 06/2015)

Department/ Program	Degree Type	Degree	(2) What are these learning outcomes? Where are they published?			(3) What data/evidence is used to determine that graduates have achieved the stated outcomes?	(4) Who interprets the evidence? What is the Process?	
				Program Website	Catalog Copy			
Bioinformatics and Systems Biology (1) Formal learning outcomes? Yes (6) Date of last Academic Senate Review: 2009-10	Master of Science (granted with doctoral program)	Bioinformatics and Systems Biology		Program Website	Catalog Copy			
	Doctor of Philosophy	Bioinformatics and Systems Biology	Be equipped with interdisciplinary skills needed to develop computational tools and use them to analyze big data associated with cellular and biological processes.	Program Website	Catalog Copy	Written dissertation and oral examination	Doctoral Committee	Write and successfully defend dissertation in oral examination.
		Bioinformatics and Systems Biology with Specialization in Quantitative Biology	This Ph.D. specialization is designed to train students to develop and apply quantitative theoretical and experimental approaches to studying fundamental principles of living systems.	Program Website	Catalog Copy	Qualifying examinations, teaching requirement, research training, written dissertation and oral examination in defense of dissertation	Interdisciplinary doctoral committee comprised of members of home department, and other faculty per UCSD committee standards.	Pass all examinations, complete requirements and training for department and specialization, write dissertation and defend in an oral examination.
		Bioinformatics and Systems Biology with Specialization in Biomedical Informatics	This Ph.D. specialization is designed to train students to develop and apply the effective use of biomedical data, information, and knowledge for scientific inquiry, problem solving, and decision making, driven by effort to improve human health.	Program Website	Catalog Copy	Qualifying examinations, teaching requirement, research training, written dissertation and oral examination in defense of dissertation	Interdisciplinary doctoral committee comprised of members of home department, and other faculty per UCSD committee standards.	Pass all examinations, complete requirements and training for department and specialization, write dissertation and defend in an oral examination.