

**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			
Biomedical Sciences (1) Formal learning outcomes? Yes (6) Date of last Academic Senate Review: 2009-10	Doctor of Philosophy	Biomedical Sciences	Develop laboratory skills and the ability to formulate scientific hypotheses and become familiar with the research activities of the faculty. Develop specialized knowledge in a thesis research area.	Program Website	Catalog Copy	Written dissertation and oral examination	Doctoral Committee	Write dissertation and defend in an oral examination.
		Biomedical Sciences with Specialization in Bioinformatics	Be equipped with interdisciplinary skills needed in businesses such as the pharmaceutical industry, agrobusiness, and biotechnology companies, or in academia, where there is a great need for academic faculty who have broad, interdisciplinary training.	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, Bioinformatics, and other faculty.	Pass all examinations, complete requirements and training for both departments, write dissertation and defend in an oral examination.

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Inventory of Educational Effectiveness Indicators - Graduate
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Biomedical Sciences (continued)		Biomedical Sciences with Specialization in Multi-Scale Biology	The training outcomes (as summarized on the program website and catalog pages) include (1) experience in cross-disciplinary science at the interfaces between two or more scientific disciplines; (2) hands-on experience in specialized research technologies for probing biological structure and function at multiple scales of biological organization; and (3) familiarity with integrative, quantitative analysis from molecule to organism scales.	Program Website	Catalog Copy	Qualifying examinations, teaching requirement, research training, written dissertation and oral examination in defense of dissertation	Interdisciplinary doctoral committee comprised of required co-mentor(s) from outside the home department, as well as members of home department, and other faculty per UCSD committee standards.	Pass all examinations, complete requirements and training for both departments, write dissertation and defend in an oral examination.
		Biomedical Sciences with Specialization in Anthropogeny	Designed for advanced graduate students from within the Biomedical Sciences program to have the opportunity to specialize in research and education on explaining the human phenomenon. The program is specifically dedicated towards a transdisciplinary education in human origins.	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 both departments, write dissertation and defend in an oral examination.
		Biomedical Sciences 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 both departments, write dissertation and defend in an oral examination.