

[Name of the Certificate]
 "Systems Biology"

[Requirements for Acquiring a BI Program Certificate]

	Subject name	Minimum number of credits
Program Courses, Research Concept and Methodology Courses, Special Courses	Advanced Molecular And Cellular Biology	At least 8 credits
	Genome Engineering Laboratory	
	Genome Design	
	Mathematical Biology	
	The Body Plan of Vertebrate	
	Conceptual Framework (BI)	
	Advanced Research (BI)	
	Biological Network	
Project Courses	Academic Project : Advanced Biosciences A (1)	At least 4 credits
	Academic Project : Advanced Biosciences B (1)	
Master Research	< Master Seminar in BI Program >	At least 4 credits
Master Thesis	Master Thesis1(1)	2 credits
	Master Thesis2(1)	
	MASTER PROJECT 1	
	MASTER PROJECT 2	

* Some students may be required to take the following undergraduate courses for supplemental study.
 Molecular And Cellular Biology 1/2/3/4, Fundamental Biology Laboratory,
 Genetic Engineering Laboratory, Genetic Analysis Laboratory, Life Systems

[Project Courses Related to the Program]

Advanced Biosciences A
Advanced Biosciences B