BSBT- GENERAL CURRICULUM

Required Courses

Course Number	Course Title	Credits/Semester
Fall – Year 1		
BSBT 6072 – 6075 *No class on Labor Day*	BSBT 6072: Foundations in Biochemistry BSBT 6073: Foundations in Molecular Biology BSBT 6074: Foundations in Cell Biology BSBT 6075: Foundations in Genetics	1.5 each/Fall
BIOL 5024	Introduction to Biotechnology (Denver Campus) *Enrollment in this course can be postponed to year two (Discuss with Program Director)*	3/Fall
Electives	*See, for example, Core Topics short courses that follow the Foundations Courses (Discuss with Program Administrator and Director)*	
Spring – Year 1		
BSBT 6067	Statistics for the Biomedical Sciences	2/Spring
BSBT 6806	R Programming	1/Spring
BIOL 5125	Communication Skills	3/Spring
Electives	*Contact Program Administrator and Director*	
Summer – Year 1		
BSBT 6065	RCR Case Studies	1/Summer
Electives	*Contact Program Administrator and Director*	
Fall – Year 2		
ENGL 5175	Writing in the Sciences (Denver Campus or Virtual)	3/Fall and Spring
BSBT 6804	Bioinnovation Regulations	3/Fall
Electives	*Contact Program Administrator and Director*	
Spring – Year 2		
BSBT 6801	Biomedical Entrepreneurship	3/Spring
BSBT 6061	Project Management	2/Spring
BSBT 6939- Section 00**1**	Internship (*Requires prior discussion with Program Director*)	3-6/All Semesters

Elective Courses

Enrollment in elective courses requires prior discussion with the Program Director. While likely, it is not guaranteed that the courses are always offered in the semester indicated.

Course Number	Course Title	Credits/Semester
BMSC 7810 Core Topics in Biomedical Science *Required for BSBT-MIM **Required for BSBT-SBB	**Core Topics A: Schedule TBA**	
	**001 - Discovering Protein Function and Structure	2/Fall
	*002 - Microbiology in Biomedical Research	2/Fall
	*003 - Inflammation	2/Fall
	004 - Evolutionary Genetics and Genomics	2/Fall
	005 - Stem Cell Biology to Regenerative Medicine	2/Fall
	Core Topics B: Schedule TBA	
	006 - Gene Regulation and RNA Biology in Disease (PhDs ONLY)	2/Fall
	007 - The Microbiome in Health and Medicine	2/Fall
	008 - Principles of Cancer Biology	2/Fall
	009 - Introduction to Animal Models and Experiments in Developmental Biology (PhDs ONLY)	2/Fall

Course Number	Description	Credits/Semester
BIOE 5074	Introduction to Laboratory Animal Research	3/every other Spring (2024)
BIOL 5494	Population and Evolutionary Genetics	3/Spring
BIOL 6764	Biological Data Analysis	3/Spring
CANB 7600	Molecular Mechanisms of Cancer	4/Spring
CANB 7620	Histophysiology	3/Spring
CLSC 7202	Clinical Outcomes and Applications	3/Fall
CSDV 7605	Stem Cells and Development	3-cr option/Spring
ENTP 6020	Business Model Development & Plan	3/Spring
ENTP 6834	Lean Marketing (online)	3/Spring
ENTP 6848	Leadership in New Ventures	3/Spring 2024
ENVS 6230	Environmental Epidemiology	3/Spring
EPID 6630	Epidemiology	3/Spring
IDPT 7646	Tissue Biology and Disease Mechanisms	3/Fall 2024
IMMU 6110	Intro to Bioinformatics (with an Immunology and Microbiology spin!)	3/Fall
IMMU 6210	Intensive Advanced Immunology	3/Spring

MKTG 4700	Personal Selling and Sales Management	3/Fall
MOLB 7900	Practical Computational Biology for Biologists: Python	2/Spring
MOLB 7910	Practical Computational Biology for Biologists: R	2/every other Spring (2024)
NRSC 7501	Intro to Neuroscience	1/Fall
NRSC 7610	Fundamentals of Neurobiology	3/Spring
NRSC 7614	Biological Basis of Psychiatric and Neurological Disorders	3/Spring
NRSC 7615	Developmental Neurobiology	3/Spring
PHSC 7345	Nanotechnology and Drug Delivery	2/Spring
PHSC 7651	Pharmaceutical Biotechnology	3/Spring
STBB 7609	Biophysics and Spectroscopy	3/Spring
STBB 7631	Molecular Structure A	1.5/Fall