

Code	Course title	Instructor	Location	ECTS	Semester	
A List – Mandatory courses						
14CB01	Current Topics in Chemical Biology and Biochemistry	SNE ChemBio	UNIGE	8	F	Mandatory courses 26 ECTS
14CB02	Basic techniques in Chemical Biology	SNE ChemBio	EPFL/UNIGE	6	F	
14CB03	Tutorial	SNE ChemBio	EPFL/UNIGE	5	F	
14B063A	Microscopy and imaging course	Bauer	UNIGE	3	F	
BIOENG-510	Trends in Chemical Biology and drug discovery	Correia/Thöma	EPFL	4	S	
B List – Optional Courses						
CH-311	Macromolecular structure and interactions	Fierz	EPFL	2	F	Optional courses 4 ECTS
CH-312	Dynamics of biomolecular processes	Fierz	EPFL	2	S	
CH-317	Drug discovery and development	Heinis	EPFL	2	S	
CH-410	Physical and Chemical analysis of materials	Roussel	EPFL	3	S	
CH-455	Methods in drug development	Heinis	UNIGE	3	F	
14B010	Principles of cellular and molecular biology	Martin et al.	UNIGE	8	F/S	
14C004	Hot topics and breakthroughs in biochemistry	Roux et al.	UNIGE	6	F/S	
14F001	Elements of bioinformatics	Levy et al.	UNIGE	5	F	
14C022	Bioorganic and biolytical chemistry	Ross	UNIGE	4	F	
14C024	Target-oriented synthesis	Hoogendoorn	UNIGE	4	F	
14C028	Bioorganic chemistry II	Matile	UNIGE	4	F	
BIO-315	Structural Biology	Dal Peraro	EPFL	4	S	
BIO-443	Fundamentals of Biophotonics	Radenovic	EPFL	3	S	
BIO-447	Stem cells and organoids	Karthus/Radtke/ Suter	EPFL	3	F	
BIO-463	Genomics and Bioinformatics	Luisier/ Rougemon	EPFL	4	S	
BIOENG-430	Selected topics in life sciences	Mahul	EPFL	3	F	
CH-413	Nanobiotechnology and biophysics	Steinauer	EPFL	3	S	
CH-419	Protein mass spectrometry and proteomics	Dayon	EPFL	2	S	
CH-424	Supramolecular chemistry	Severin	EPFL	2	F	
CH-431	Physical and computational organic chemistry	Corminboeuf	EPFL	2	S	
CH-432	Structure and reactivity	Cramer	EPFL	3	F	
CH-435	Asymetric catalysis for fine chemicals synthesis	Waser	EPFL	3	S	
CH-438	Total synthesis of natural products	Zhu	EPFL	3	F	
CHE-411	Principles and Applications of System Biology	Hatzimanikatis	EPFL	3	F	
MICRO-511	Image Processing I	Unser/ Van De Ville	EPFL	3	F	
MICRO-512	Image Processing II	Unser/ Van De Ville	EPFL	3	S	
PHYS-301	Physics of the cell	Manley	EPFL	3	S	
PHYS-466	Topics in biophysics and physical biology	Manley	EPFL	3	S	
13C003	Chimie Organique II : Principes de réactivité & Chimie Bioorganique	Lacour/ Matile	UNIGE	6	F/S	
13B001	Biologie moléculaire de la cellule	Pillai et al.	UNIGE	9	F/S	
13C008A	Biochimie III	Soldati et al.	UNIGE	3	F	
13C008P	Biochimie III	Soldati et al.	UNIGE	3	S	
	Practical Training period(s):	Practical Period and Written Report – Oral Examination				
TBD	Laboratory Project Immersion I	SNE ChemBio	EPFL/UNIGE	60	S	Compulsory 60 ECTS
TBD	Laboratory Project Immersion I	SNE ChemBio	EPFL/UNIGE		F	