



Code	Course title	Instructor	Location	ECTS	Semester	
<b>A List - Mandatory courses</b>						
14CB01	Current Topics in Chemical Biology and Biochemistry	NCCR ChemBio	UNIGE	8	F	<b>Mandatory courses 25 ECTS</b>
14CB02	Basic techniques in Chemical Biology	NCCR ChemBio	EPFL/ UNIGE	6	F	
14CB03	Tutorial	NCCR ChemBio	EPFL/ UNIGE	5	F	
14B063A	Microscopy and imaging course	Bauer	UNIGE	3	F	
CH-412	Chemical Biology	Aye/ Correia	EPFL	3	S	
<b>B List - Optional courses</b>						
CH-311	Macromolecular structure and interactions	Fierz	EPFL	2	F	<b>Optional courses 5 ECTS</b>
CH-312	Dynamics of biomolecular processes	Fierz	EPFL	2	S	
CH-313	Chemical biology	Aye	EPFL	2	F	
CH-317	Drug discovery and development	Heinis	EPFL	2	S	
CH-319	Experimental biochemistry and biophysics	Hovius	EPFL	4	S	
CH-332	Medicinal chemistry	Aye	EPFL	2	S	
CH-411	Cellular signalling	Hovius	EPFL	2	S	
14B010	Principles of cellular and molecular biology	Stutz <i>et al.</i>	UNIGE	8	S	
14B072	Introduction to glycobiology	Lisacek	UNIGE	3	S	
14C001	Biochemistry and Biophysics of Membranes	Gonzalez Gaitan <i>et al.</i>	UNIGE	8	S	
14CB01	Hot topics and breakthroughs in biochemistry	Roux <i>et al.</i>	UNIGE	6	F/S	
14CB04	SPOC Chemical Biology	Loewith <i>et al.</i>	UNIGE	5	F	
14F006	Programming for bioinformatics I	Chopard	UNIGE	6	F	
14F001	Elements of bioinformatics	Bairoch <i>et al.</i>	UNIGE	5	F	
14C028	Bioorganic chemistry II	Matile	UNIGE	4	F	
BIO-315	Biomolecular Structure and Mechanics	Dal Peraro	EPFL	4	S	
BIO-443	Fundamentals of Biophotonics	Radenovic	EPFL	3	S	
BIO-447	Stem Cell Biology and Technology	Lütolf/ Radtke/ Suter	EPFL	3	F	
BIO-463	Genomics and Bioinformatics	Rougmont	EPFL	4	S	
BIOENG-430	Selected topics in life sciences	Lashuel	EPFL	3	S	
BIOENG-442	Biomaterials	Ghezzi/ Lutolf	EPFL	3	S	
CH-311	Macromolecular structure and interactions	Fierz	EPFL	2	F	
CH-312	Dynamics of biomolecular processes	Fierz	EPFL	2	S	
CH-313	Chemical Biology	Aye / Correia	EPFL	2	F	
CH-317	Drug discovery and development	Heinis	EPFL	2	S	
CH-319	Experimental biochemistry and biophysics	Hovius	EPFL	4	S	
CH-332	Medicinal chemistry	Aye	EPFL	2	S	
CH-413	Nanobiotechnology and biophysics	Fierz	EPFL	3	S	
CH-414	Pharmacological chemistry	Heinis	EPFL	2	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	Catalytic asymmetric reactions in organic chemistry	Waser	EPFL	2	S	
CH-438	Total synthesis of natural products	Zhu	EPFL	3	F	
CH-629(a)	Current Topics in Chemical Biology lecture series	Heinis / Fierz	EPFL	2	F/S	
CH-634	Chemical probes for imaging in Biology	Johnsson	EPFL	1	S	
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-441	Statistical Physics of Biomacromolecules	De Los Rios	EPFL	4	F	
13C003	Chimie Organique II; Principes de réactivité & chimie bioorga	Lacour/ Matile	UNIGE	6	F/S	
13B001	Biologie moléculaire de la cellule	Halazonitis <i>et al.</i>	UNIGE	9	F/S	
13C008A	Biochimie III	Soldati <i>et al.</i>	UNIGE	3	F	
13C008P	Biochimie III	Soldati <i>et al.</i>	UNIGE	3	S	
<b>Practical Training period(s):</b>		<i>Practical Period and Written Report - Oral examination</i>				
TBD	Laboratory Project Immersion I	NCCR ChemBio labs	EPFL/ UNIGE	60	S	<b>Compulsory 60 ECTS</b>
TBD	Laboratory Project Immersion II	NCCR ChemBio labs	EPFL/ UNIGE		F	