

MASTER IN CHEMICAL BIOLOGY

Course code	Course title	Instructor	Institution	ECTS credits	Semester	Comments
A List - Obligatory courses						
14CB01	Current Topics in Chemical Biology and Biochemistry (restricted)	NCCR ChemBio	UNIGE	8	F	Class: MON 13:15-15:00 Sciences II, room 3-352 WED 13:15-15:00 Sciences II, room 449
14CB02	Basic techniques in Chemical Biology (restricted)	NCCR ChemBio	EPFL/ UNIGE	6	F	programme established in september 2018 and customized to each student needs
14CB03	Tutorial (restricted)	NCCR ChemBio	EPFL/ UNIGE	5	F	programme established in september 2018 and customized to each student needs
14B063P	Microscopy and imaging course I (restricted)	Bauer	UNIGE	3	F	October 02 - 12, 2018 . Registration compulsory at Christoph.Bauer@unige.ch
CH-412	Chemical Biology (restricted)	Heinis/Hovius	EPFL	3	S	TBD
B List - Optional courses						
14B010	Principles of cellular and molecular biology	Stutz <i>et al.</i>	UNIGE	8	F/S	Class: WED 10:15-12:00 - Sciences III, room 0019
14C001	Biochemistry and Biophysics of Membranes	Gonzalez Gaitan <i>et al.</i>	UNIGE	8	S	Class: MON 14:15-17:00 WED 14:15-17:00 - Sciences II, room 3-352
14F006	Programming for bioinformatics I	Chopard	UNIGE	6	F	Exercices: THU 13:15-17:00 - CMU, 4106 (CMU library)
14F001	Elements of bioinformatics	Bairoch <i>et al.</i>	UNIGE	5	F	Class: MON 08:15-11:00 + exercices: MON 11:15-12:00 - CMU Details: https://chamilo.unige.ch/home/courses/14F001
14C028	Bioorganic chemistry II	Matile	UNIGE	4	F	Class: TUE 10:15-12:00 - Sciences II, room 229
14C027	Statistical thermodynamics	Hagemann	UNIGE	4	S	Class: THU 08:15-10:00 - Sciences II, room 230
BIO-315	Biomolecular Structure and Mechanics	Dal Peraro	EPFL	4	S	TBD
BIO-463	Genomics and Bioinformatics	Rougemont	EPFL	4	S	TBD
PHYS-302	Biophysics II	Verkhovsky	EPFL	4	F	Class: TUE 13h15-15h + exercices: TUE 15h15-17h - room GR A3 30
PHYS-437	Diffraction Methods in Structural Biology	Leiman	EPFL	4	S	TBD
PHYS-441	Statistical Physics of Biomacromolecules	De Los Rios	EPFL	4	F	Class: TUE 10:15-12:00 - room BSP 626 + exercices: THU 10:15-12:00 - room GC B1 10
BIOENG-442	Biomaterials	Ghezzi/Lutolf	EPFL	3	S	TBD
BIOENG-447	Chemical Biology - Tools and Methods	Hantschel/Correia	EPFL	3	S	TBD
BIO-443	Fundamentals of Biophotonics	Radenovic	EPFL	3	S	TBD
BIO-447	Stem Cell Biology and Technology	Lütolf/Radtke/Suter	EPFL	3	F	Class: FRI 8:15-10:00 - room CE 1 2 + exercices: FRI 10:15-11:00 - room CM 1 105
MICRO-511	Image Processing I	Unser/Van De Ville	EPFL	3	F	Class: TUE 10h15-13h room CO 4, CM 1 1, CM 1 103, CM 1 110, CO 5, CO 6
MICRO-512	Image Processing II	Unser/Van De Ville	EPFL	3	S	TBD
CH-413	Nanobiotechnology and biophysics	Fierz	EPFL	3	S	TBD
CH-432	Structure and reactivity	Cramer	EPFL	3	F	Class: FRI 15:15-17:00 - room BSP 234
CH-438	Total synthesis of natural products	Zhu	EPFL	3	F	Class: WED 10:15-12:00 - room CH B3 31
ChE-411	Principles and Applications of System Biology	Hatzimanikatis	EPFL	3	F	Class: THU 11:15-13:00 - room CE 15 + exercices: THU 14:15-15:00 - room CE 1 101
CH-415	Chemistry of small biological molecules	Goun	EPFL	2	F	Class: TUE 16:15-18:00 - room CE 1 103
CH-435	Catalytic asymmetric reactions in organic chemistry	Waser	EPFL	2	S	TBD
CH-411	Cellular signalling	Hovius	EPFL	2	S	TBD
CH-414	Pharmacological chemistry	Heinis	EPFL	2	S	TBD
CH-431	Physical and computational organic chemistry	Corminboeuf	EPFL	2	S	TBD
BIOENG-512	Introduction to lab methods: Bioactive compounds screening	Turcatti/ Chambon	EPFL	2	F	no fixed time schedule - students decide with the teacher
MICRO-560	BioMEMS	Renaud	EPFL	2	F	Class: TUE 8:15-10:00 - room CM 1 4
CH-629(a)	Current Topics in Chemical Biology lecture series	Heinis/Fierz	EPFL	2	F/S	TBD
13C003	Chimie Organique II: Principes de réactivité et chimie	Lacour/Matile	UNIGE	6	F/S	Class: Fall FRI 10:15-12:00 - Sciences II, room A100 + Spring MON 08:15-10:00 - Sciences II, room A50B
13B001	Biologie moléculaire de la cellule	Halazonetis <i>et al.</i>	UNIGE	9	F/S	Class: MON 10:15-12:00 - Sciences III - room 1S059 + THU 9:15-10:00 - Sciences II - room A150
13C008A	Biochemistry III	Soldati <i>et al.</i>	UNIGE	3	F	Class: TUE 08:15-10:00 - Sciences II, room A50A + THU 08:15-09:00 - Sciences III, room 1S059
13C008P	Biochemistry III	Soldati <i>et al.</i>	UNIGE	3	S	Class: TUE 08:15-10:00 - Sciences II, room A150 + THU 08:15-09:00 - Sciences III, room 1S059