

CHEMISTRY-CHIMICA

(Classe LM-54)

Piano di Studi Coorte A.A. 2016/17

Primo Anno

denominazione attività formativa/insegnamento	SSD	CFU	Ore	Sem.*	TAF **
Advanced Physical Chemistry I Course	CHIM/02	6	48	I	B
Advanced Inorganic Chemistry I Course	CHIM/03	6	48	I	B
Advanced Organic Chemistry I Course	CHIM/06	6	48Lect 16Es	I	B
Advanced Analytical Chemistry	CHIM/01	6	48	I	B
Advanced Biological Chemistry	BIO/10	6	48	I	B
Advanced Physical Chemistry II Course	CHIM/02	6	48	II	B
Advanced Inorganic Chemistry II Course	CHIM/03	6	48	II	B
Advanced Organic Chemistry II Course	CHIM/06	6 (4Lect+2Lab)	32Lect 32Lab	II	B
Course 1*		6	48	II	C
Course 2*		6	48	II	C
Totale CFU dell'anno		60			

*Courses 1, 2 to be selected among the following course sets

Chemistry for life

denominazione attività formativa/insegnamento	SSD	CFU	Ore	Sem.*	TAF **
Bioorganic Chemistry	CHIM/06	6	48	II	C
Metabolomics	CHIM/03	6	48	II	C
Protein Crystallography	CHIM/03	6	48	II	C
Surface chemistry and nanomaterials	CHIM/02	6	48	II	C
Elements of Computational Organic Spectroscopy	CHIM/06	6	48	II	C

Chemistry for a sustainable development

denominazione attività formativa/insegnamento	SSD	CFU	Ore	Sem.*	TAF **
Nutraceutical and Food Chemistry	CHIM/02	6	48	II	C
Environmental Spectroscopy	CHIM/12	6	48	II	C
Industrial biotechnology	CHIM/02	6	48	II	C

Secondo Anno

denominazione attività formativa/insegnamento	SSD	CFU	Ore	Sem.*	TAF **
Student's choice		6		I	D
Student's choice		6		I	D
Course 3*		6		I	C
Health and Safety in the Working Environment		1	16	I	F
Internship in a Company**/in a research lab		11		I	S
Experimental project for final dissertation		30		II	E
Totale CFU dell'anno		60			

*Course 3 to be selected among the following course sets

Chemistry for life

denominazione attività formativa/insegnamento	SSD	CFU	Ore	Sem.*	TAF **
Informatics for chemistry and biology	BIO/10	6	48	I	C
Biophysical Chemistry	CHIM/02	6	48	I	C

Chemistry for a sustainable development

denominazione attività formativa/insegnamento	SSD	CFU	Ore	Sem.*	TAF **
Sustainable and efficient energy	CHIM/02	6	48	I	C
Green Chemistry and Catalysis	CHIM/06	6	48	I	C
NMR applications for Food Chemistry	CHIM/03	6	48	I	C
Remediation of contaminated sites	CHIM/02	6	48	I	C

** At the moment the following Companies are available for the SCDC internship:

Novartis Vaccines Italia (Siena)
Nuova Solmine s.p.a (Scarlinto-Grosseto)
Biochemie Lab. (Florence)
Syndial-ENI (Milan)
Colorobbia s.p.a (Empoli)
Dompè Farmaceutici (Milan-L'Aquila)