

Computer Science Oriented Bachelor

1st year / 1st period

Fundamental Courses BIO

Biophysics I
Molecular Anthropology

CFU - SSD
5 - FIS/07
3 - BIO/08

Prof.
Casadio
Luiselli

Compulsory Courses BIO

Biophysics II
Cognitive Neurosciences
Elements of Biophysics

CFU - SSD
5 - FIS/07
5 - BIO/09
5 - FIS/07

Prof.
Casadio
Monti
Casadio

Compulsory Courses CHIM

Molecular Nanotechnologies
Nanobiotechnologies

CFU - SSD
5 - CHIM/03
5 - CHIM/06

Prof.
Bolletta
Samori

Tot 23 BIO
Tot 10 CHIM

1st year / 2nd period

Fundamental Courses BIO

Biomedical Databases
Genetic analysis of human diseases
Laboratory of Bioinformatics I

CFU - SSD
3 - BIO/11
3 - BIO/18
3 - BIO/10

Prof.
Tasco
Maestrini
Fariselli

Compulsory Courses BIO

Bioinformatics for Medical Genetics
Elements of Functional Genomics
Laboratory of Bioinformatics II
Molecular Bioinformatics
Molecular Immunology

CFU - SSD
3 - MED/03
5 - BIO/18
6 - INF/01
5 - BIO/10
5 - MED/04

Prof.
Sangiorgi
Perini
Casadio
Casadio
Franceschi/Valensin

1 Optional Course BIO

Microarray Technologies
Phylogeny and Molecular Evolution

CFU - SSD
5 - MED/04
5 - BIO/05

Prof.
Capri
Mantovani

Fundamental Course CHIM

Molecular Recognition

CFU - SSD
3 - CHIM/03

Prof.
Credi

1 Optional Course CHIM

Biosensors
Drug Design

CFU - SSD
5 - ING-INF/01
5 - CHIM/08

Prof.
Benini/Nardini
Recanatini

Free choice courses

Winter School 11-17 febbraio 2008

CFU - SSD
4 - BIO/10

equivalent of Bioinformatics for
Systems & Synthetic Biology
(Reference Person: R. Casadio)

Tot 38 BIO
Tot 8 CHIM

2nd year

Fundamental Courses BIO

Computational Biology
Models of Biological Systems I
Theoretical and Molecular Biophysics I

CFU - SSD
3 - BIO/10
4 - FIS/07
5 - BIO/10

Prof.
Martelli
Fariselli
Casadio

1 Optional Course BIO

Models of Biological Systems II
Theoretical and Molecular Biophysics II

CFU - SSD
5 - ING-INF/06
5 - BIO/10

Prof.
Cavalcanti
Casadio

Tot 16 BIO

Free choice seminar
Stage
Final Examination

CFU
3
12
34

TOT BIO 77 CFU
TOT CHIM 18 CFU