

## Why ENROLL ?

You are motivated and you like chemistry

The student-faculty ratio is excellent

The labs are equipped with advanced instrumentations

The research groups are highly specialized and deal with innovative topics

You will have the opportunity to work with international research groups and industries

The degree programme is varied and connected with the world of work

### Coordinator of the Degree Course

Prof. Gerardo D'Errico  
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*Il Campus di Monte Sant'Angelo*



#### Links

##### **Polytechnic and Basic Sciences School**

<http://www.scuolapsb.unina.it>

##### **Department of Chemical Sciences**

<http://www.scienzechimiche.unina.it>

##### **Bachelor Degree in Industrial Chemistry**

<http://www.scienzechimiche.unina.it/laurea-in-chimica-industriale>

##### **Student Educational Office**

Centri Comuni Complesso Universitario di Monte S. Angelo  
Via Cintia – 80126 Napoli  
e-mail: [segrmmff@unina.it](mailto:segrmmff@unina.it)



September 2020



UNIVERSITÀ DEGLI STUDI DI NAPOLI FEDERICO II  
SCUOLA POLITECNICA E DELLE SCIENZE DI BASE

COLLEGIO  
DEGLI STUDI DI  
**SCIENZE**

BACHELOR  
DEGREE  
**INDUSTRIAL  
CHEMISTRY**



**Dipartimento di  
Scienze Chimiche**

## EDUCATIONAL OBJECTIVES

In the first year the BSc Degree Course in Industrial Chemistry provides students with a solid basic scientific background. During the second year the training in the various disciplinary fields of chemistry is strengthened. The third-year courses aim at providing professional and technological knowledges, allowing the graduate to tackle the typical problems of the chemical industry with practical mindedness and scientific rigor. Graduates in Industrial Chemistry acquire the cultural tools to solve theoretical and practical problems and have one of the most appreciated qualities in the labour market: the flexibility. This flexibility is emphasized by the presence of lab-courses with a strong interdisciplinarity between Chemistry and Chemical Engineering.



## REQUIREMENT FOR THE ACCESS

Mandatory admission test with multiple choice questionnaires of Mathematics, Science, Logic and Verbal Understanding. The test (TOLC-I) takes place after reservation from February to November. Students not passing the test can still enroll the Degree Course with OFA (Additional Educational Obligation).

Information is available on the Websites:  
<http://www.scuolapsb.unina.it>  
<http://www.cisiaonline.it>

## TRAINING STRUCTURE

The Degree Course is awarded as "Chemistry Eurobachelor Label", which validates the qualification in EU countries and allows students to continue higher level studies in other European universities.



### EDUCATIONAL PATH (180 ECTS\*)

FIRST YEAR	ECTS
General and Inorganic Chemistry (2 modules)	15
Mathematics I	8
English	5
Physics I	8
Analytical Chemistry I with Lab	8
Mathematics II	8
<b>SECOND YEAR</b>	
Organic Chemistry I with Lab	8
Physics II	8
Physical Chemistry I with Lab (2 modules)	11
Inorganic Chemistry with Lab	6
Organic Chemistry II with Lab	8
Macromolecular Chemistry I (2 modules)	10
Introduction to Industrial Chemistry	6
<b>THIRD YEAR</b>	
Principles of Industrial Chemistry with Lab	9
Analytical Chemistry II with Lab	8
Biological Chemistry	6
Unit Operations and Chemical Reactors with Lab	9
Physical Chemistry II	6
Macromolecular Chemistry II	6
Elective courses	12
Traineeship	5
Bachelor's thesis	10

\*ECTS = University Credit  
1 ECTS is equivalent to 8 hours of frontal teaching or 12 hours of laboratory practice

## JOB OPPORTUNITIES

The graduate in Industrial Chemistry accesses easily and quickly the labour market in Italy and abroad, conducting technical activities in specific tasks, as Labs of analysis, synthesis and chemico-physical measurements. He/she can also hold more relevant positions, as the management and direction of industrial plants and of labs of characterization of products and materials. The professional fields range from pure chemical industries to textile, agri-food and pharmaceutical industries. He/she can also work as freelance upon achievement the title of "Junior Chemist" after passing the State Licensure Examination.

## CONTINUATION OF STUDIES

The three-year Course finds its natural completion in the Master Degree Course in Sciences and Technologies of Industrial Chemistry, or in other Master's Degrees in the technical scientific area.

## WHERE WE ARE

The lessons and lab activities are carried out at Complesso Universitario di Monte S. Angelo Via Cintia, Napoli

## HOW TO JOIN US

- By car: exit of the ring road of Fuorigrotta;
- Train: Metropolitana Linea 2 (Campi Flegrei Station);
- Circumflegrea (Mostra Station);
- Bus: From Piazzale Tecchio-MSA: 615; 180; R6  
From Piazza Leonardo (Vomero)-MSA: C33;
- Connections with private bus-lines coming from all over the Campania Region are also active

### Services

Punto Adisu | Centro Sinapsi | Cafeterias | Bar | Copy Center | ATM