

**DOCTORAL SCHOOL IN  
SCIENZE E TECNOLOGIE CHIMICHE E FARMACEUTICHE**

**GENERAL DESCRIPTION**

**SUBJECT AREAS:**

- main area: CHIM/06
- other areas: CHIM/02, CHIM/03, CHIM/08, CHIM/09, CHIM/10, CHIM/12, BIO/15, ING-IND/24

**FIELDS OF RESEARCH:**

1. Chemical sciences
2. Pharmaceutical sciences
3. Sciences and technologies of chemical engineering
4. Food and natural products
5. Analytical-environmental sciences

**ORGANIZING DEPARTMENT:**

Dip. di Scienze Chimiche

**OTHER DEPARTMENTS:**

- Dip. di Scienze Farmaceutiche
- Dip. dei Materiali e delle Risorse Naturali
- Dip. di Ingegneria Chimica, dell'Ambiente e delle Materie Prime

**PROGRAMME LENGTH IN YEARS:** 3

**MAXIMUM PERIOD OF STUDY ABROAD IN MONTHS:** 18

**OFFICIAL LANGUAGE OF THE SCHOOL:** Italian

**ADMISSION INFORMATION AND REQUIREMENTS**

**PLACES AVAILABLE:** ..... 14

**SCHOLARSHIPS:** ..... 7

**FUNDING BODIES:**

- Università di Trieste (ricerca da svolgere presso il Dip. di Scienze Farmaceutiche finalizzata a uno dei progetti pubblicati sul sito web della Scuola, proposti per il XXV ciclo, privilegiando quelli che prevedono il co-finanziamento da parte dei tutori) ..... 1
- Università degli Studi di Trieste+Dip. Scienze Chimiche su fondi Fondo Trieste 2007/2009, responsabile Dr. Federico Berti (ricerca da svolgere presso il Dip. di Scienze Chimiche finalizzata al Progetto "Short peptides as biosensor transducers", proposto per il XXV ciclo, pubblicato sul sito web della Scuola) ..... 1
- Università degli Studi di Trieste+Dip. Scienze Chimiche (ricerca da svolgere presso il Dip. di Scienze Chimiche finalizzata al Progetto "Development of homogeneous catalysts for the controlled synthesis of new polymeric materials", proposto per il XXV ciclo, pubblicato sul sito web della Scuola) ..... 1
- Università degli Studi di Trieste+Dip. Scienze Chimiche (ricerca da svolgere presso il Dip. di Scienze Chimiche finalizzata a uno dei progetti pubblicati sul sito web della Scuola, proposti per il XXV ciclo, privilegiando quelli che prevedono il co-finanziamento da parte dei tutori)..... 2
- Dip. di Scienze Farmaceutiche su fondi INSTM e EU (ricerca da svolgere presso il Dip. di Scienze Farmaceutiche finalizzata al Progetto "Nanotechnologies in Neurosciences", proposto per il XXV ciclo, pubblicato sul sito web della Scuola) ..... 1
- MIUR "Giovani Ricercatori" (ricerca da svolgere presso il Dip. dei Materiali e delle Risorse Naturali finalizzata al Progetto "Valorizzazione dei prodotti tipici dell'agroalimentare e sicurezza alimentare attraverso nuovi sistemi di caratterizzazione: Studies of the short-term toxicity of Palytoxins") ..... 1

**PLEASE NOTE:** no extra funding is granted for periods abroad  
Candidates who accept an earmarked scholarship are committed to the pre-assigned topic

**NON-FUNDED PLACES**

- research grant-holders: ..... 1
- grant-holders funded by the Italian Ministry of Foreign Affairs permitted to sit the entrance examination in the country of origin ..... 1
- non-EU citizens resident abroad ..... 1
- non-EU citizens resident abroad with the Italian Ministry of Foreign Affairs authorization permitted to sit the entrance examination in the country of origin ..... 1

**ACADEMIC QUALIFICATION REQUIRED:** see Announcement (art. 1-Requirements)

**DEADLINE FOR COMPLETION OF DEGREE BEFORE APPLICATION:**..... 13.11.2009

**ADMISSION REQUIREMENTS:**

qualifications + oral interview.

**FINAL SCORE:** the final score is obtained by combining the scores of the oral part of the examination and of the score attributed to the qualifications: ..... 120/120

**FINAL SCORE (MINIMUM REQUIRED):** ..... 84/120

**SCORE ATTRIBUTED TO THE QUALIFICATIONS:** ..... 60/60

(relative weight: max 50%)

QUALIFICATIONS REQUIRED (RELATIVE WEIGHT):

Art. 11 University Rules for Doctorates:

- a. a detailed curriculum vitae et studiorum: 30/60
- b. a copy of the master's degree thesis or an abstract in English or in Italian: 24/60  
A detailed research proposal may be required.

as well as

1. publications: 6/60
2. letters of recommendation (max 2): 0/60

MINIMUM SCORE REQUIRED FOR THE QUALIFICATIONS:..... no

ORAL INTERVIEW SCORE (EXPRESSED AS A PERCENTAGE):..... 60/60  
(relative weight: max 50%)

MINIMUM SCORE REQUIRED FOR THE ORAL INTERVIEW:..... 42/60

DEADLINE FOR RECEIVING CERTIFICATES: 16.11.2009

ADDRESS TO WHICH CERTIFICATES SHOULD BE SENT: Prof. Enzo Alessio, Dip. di Scienze Chimiche, Via L. Giorgieri, 1, 34127 - TRIESTE.

- **Applicants who have completed their degree within the deadline for applications are allowed to upload their certificates / publications through a web interface instead of sending them in hard copy.**

EXAMINATION SCHEDULE:

- ORAL INTERVIEW: 18.11.2009 at 09.00 a.m. Dip. di Scienze Chimiche dell'Università degli Studi di Trieste, (Sala del Consiglio – I piano, Edificio C11) Via L. Giorgieri, 1, 34127 - TRIESTE

LANGUAGE/S OTHER THAN THE ITALIAN FOR THE ORAL INTERVIEW: English

**CONTACT INFORMATION**

DIRECTOR OF THE SCHOOL: Prof. Enzo Alessio - Dipartimento di Scienze Chimiche - Università degli Studi di Trieste – Via L. Giorgieri, 1 - tel. 040/558.3961 fax 040/558.3903 e-mail [alessi@units.it](mailto:alessi@units.it)

VICE-DIRECTOR: Prof. Maurizio Prato - Dipartimento di Scienze Farmaceutiche - Università degli Studi di Trieste - tel. 040/558.7883 fax 040/52572 e-mail [prato@univ.trieste.it](mailto:prato@univ.trieste.it)

WEB SITE: <http://www.dsch.units.it/sdstcf/>

OVERVIEW: The Ph. D. School in Chemical and Pharmaceutical Science and Technology aims to become a centre for advanced academic education in the area of chemistry, open to young graduates from Italy and abroad. Its primary objective is that of training doctors with a sound scientific qualification, capable of performing autonomous research projects.

The School involves a large number of Academics from four Faculties, that provide a broad range of competence and expertise in the fields of Chemistry, Pharmaceutical Sciences and Chemical Engineering, and offer to the students highly qualified research projects and teaching courses. The School is managed by a Board of Teachers, composed by 19 full-time Professors and Researchers, all strongly involved in research activities, whose excellent level is testified by the large number of scientific publications (more than 500 in the period 2002-2007) and by the many national and international collaborations.

The School comprises 5 broad Research Areas: Chemical Sciences, Pharmaceutical Sciences, Sciences and Technologies of Chemical Engineering, Food and Natural Products, Analytical-Environmental Sciences. For each Area, the School aims to provide the Ph D students with a broadly interdisciplinary training that requires the acquisition of concepts, expertise, research methods and experimental techniques. Finally, the students will be part of a scientifically stimulating environment, comprising academics and undergraduate and Ph. D. students and young post-doctoral associates from Italy and other Countries.

