Double Degree
between
Corso di Laurea magistrale in Chimica e Tecnologie Sostenibili, curriculum Environment, Sustainable Chemistry and Technologies, awarded by Università Ca’ Foscari Venezia
and
Okolje 2. stopnja, Master’s study programme Environment (second level), awarded by Univerza v Novi Gorici, Nova Gorica

Objective
The main objective of the Double Degree is to integrate the different competences and specificities of the courses of Environment (UNG -Univerza v Novi Gorici) and Sustainable Chemistry and Technology (Università Ca’ Foscari Venezia). The UNG Environment course is distinctly interdisciplinary and research-oriented. The UNG programme contains courses regarding measuring techniques for the identification and the control of pollution, waste treatment, legislative, economical, and managing aspects of the environmental protection. The Ca’ Foscari programme as well is oriented towards research and offers advanced courses regarding all the main fields of Chemistry, together with specific courses describing the actual challenges of the chemical sciences applied to sustainability and green syntheses. The aim of the Double Degree is to offer Ca’ Foscari students an insight in the deep interactions existing between Chemistry and Environment.

Registration and Admission
For each academic year of the Double Master’s Degree programme, the students will register and pay the tuition fees to their home institution. Each institution will be responsible for the students’ selection process based on previous academic merit, Bachelor Certificate, adequate knowledge of English language (B2 level required) and a motivation letter.
Selections will be held separately by the two institutions.

Programme
The Double Degree is a two years programme. It has an extent of 120 credits and includes the students’ exchange. The Double Degree implies that Ca’ Foscari students must follow the UNG (Nova Gorica) compulsory courses:
- Strategies and technologies for waste treatment (8 CFU)
- Instrumental techniques in environment (10 CFU)
- Transport and fate of pollutants in environment (8 CFU)
- Societal and legal aspects of environment (6 CFU)
- Soft skills for career development (6 CFU)
Moreover, the students must follow the compulsory Ca’ Foscari courses:
- Molecular spectroscopy (6 CFU)
- Physical chemistry of solids and surfaces (6 CFU)
- Chemistry of transition elements and laboratory (12 CFU)
- Organic Chemistry: reactions and mechanisms (6 CFU)
- Green organic syntheses (6 CFU)

12 credits concern elective courses, to be chosen accordingly with the agreement between the two Universities. 34 credits correspond to internship and thesis. Please note that before choosing the elective Courses it is necessary:
- to verify the courses actually offered from Nova Gorica
- to contact the Coordinator of the Double Degree, prof. Ligia Maria MORETTO.

During the first year the students must follow the compulsory courses at UNG, and they can also follow elective courses given at UNG. During the second year the students must follow the courses at Ca' Foscari, have the internship and give the master thesis.

<table>
<thead>
<tr>
<th>Code</th>
<th>Compulsory Courses</th>
<th>Credits</th>
<th>Year</th>
<th>Semester</th>
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<tr>
<td>CM0501</td>
<td>Instrumental techniques in environment</td>
<td>10</td>
<td>1</td>
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<td>CM0496</td>
<td>Transport and fate of pollutants in environment</td>
<td>8</td>
<td>1</td>
<td>1</td>
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<td>CM0412</td>
<td>Strategies and technologies for waste treatment</td>
<td>8</td>
<td>1</td>
<td>1</td>
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<tr>
<td>CM0504</td>
<td>Societal and legal aspects of environment</td>
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<td>1</td>
<td>2</td>
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<tr>
<td>CM0505</td>
<td>Soft skills for career development</td>
<td>6</td>
<td>1</td>
<td>2</td>
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<td>CM0503</td>
<td>Elective courses to be chosen among the following fields of study*</td>
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<td>1</td>
<td>1-2</td>
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<td>CM0406</td>
<td>Chemistry of transition elements and laboratory</td>
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<td>2</td>
<td>1</td>
</tr>
<tr>
<td>CM0503</td>
<td>Organic chemistry: reactions and mechanisms</td>
<td>6</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>CM0502</td>
<td>Green organic syntheses</td>
<td>6</td>
<td>2</td>
<td>1</td>
</tr>
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<td>Code</td>
<td>Course Description</td>
<td>Credits</td>
<td>ECTS</td>
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<tr>
<td>CM0413</td>
<td>Physical chemistry of solids and surfaces</td>
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<td>2</td>
<td>1</td>
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<td>CM0414</td>
<td>Molecular spectroscopy</td>
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<td>2</td>
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<td></td>
<td>Formative and orienting internship</td>
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<td>Final verification</td>
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<td><strong>Total</strong></td>
<td><strong>120</strong></td>
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</table>

Please note that before choosing Elective Courses it is necessary to contact the Coordinator of the Double Degree, prof. Ligia Maria MORETTO.

* AGR/15 Scienze e Tecnologie Alimentari  
  BIO/07 Ecologia  
  CHIM/01 Chimica Analitica  
  CHIM/02 Chimica Fisica  
  CHIM/03 Chimica Generale e Inorganica  
  CHIM/04 Chimica Industriale  
  CHIM/06 Chimica Organica  
  CHIM/08 Chimica Farmaceutica  
  GEO/06 Mineralogia  
  INF/01 Informatica  
  ING-IND/09 Sistemi per l'Energia e l'Ambiente  
  ING-IND/25 Impianti Chimici  
  ING-IND/27 Chimica Industriale e Tecnologica  
  SECS-P/01 Economia Politica  
  SECS-P/07 Economia Aziendale  
  SECS-P/08 Economia e Gestione delle Imprese