



University POLITEHNICA of Bucharest  
Faculty of Engineering in Foreign Languages (FILS)



**Field of study: CHEMICAL ENGINEERING (ChEng)**

English stream; 4 years



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*Field of study: Chemical Engineering*



## ***THEORETICAL KNOWLEDGE:***

The ChEng curriculum is ensured by the *Faculty of Applied Chemistry and Materials Science*, so that to give students the **basic knowledge in Chemistry and Engineering**.

The studied subjects are grouped in **three main directions:**

- ❖ ***basic knowledge in Chemistry:*** *Inorganic/Organic Chemistry, Analytical Chemistry, Physical Chemistry*
- ❖ ***general knowledge in Chemical Engineering:*** *Organic and Composite Materials, Macromolecular Compounds, Instrumental Analysis in Organic Chemistry*
- ❖ ***courses in specific areas of chemical engineering*** (III<sup>rd</sup> & IV<sup>th</sup> years):

***A. POLYMER SCIENCE\****: *Biopolymers and Biocomposites, Polymer Processing, Polymer Recycling*

***B. ORGANIC CHEMISTRY\****: *Natural products, Petrochemical and Carbochemical Technologies, Tensioactive Compounds*

*\*specialties A and B are alternating every other year*

**More details on:** <http://ing.pub.ro/en/education/licence/>





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**PRACTICAL SKILLS:**

**Industrial Training / Summer Internship**  
(III<sup>rd</sup> year)





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**OPPORTUNITIES FOR STUDENTS:**

- ✓ *international relationships* with universities and schools of engineers in other countries
- ✓ *foreign internships*: company traineeships, linguistic trainings and studies in partner universities, students' exchanges e.g. ERASMUS+



Université Claude Bernard  Lyon 1

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POLITECNICO  
DI TORINO



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University  
of Crete



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DI GENOVA



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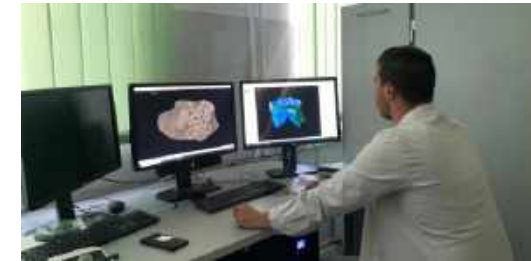


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**OPPORTUNITIES FOR STUDENTS:**

- ✓ learn & research in well-equipped laboratories with *modern facilities*
- ✓ *continuing studies: Master / Doctoral programs* – both at the Faculty of Engineering in Foreign Languages and at the Faculty of Applied Chemistry and Materials Science or abroad
- ✓ to be involved in *outstanding research activities* in **university research centers** such as:
  - *Center for Advanced Research on New Materials, Products and Innovative Processes* – CAMPUS
  - Advanced Polymer Materials Group (APMG) - *research field: Polymer Science and Engineering*





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**EMPLOYMENT POSSIBILITIES:**

In all areas of *chemistry and chemical engineering*, such as:

**Industry** → big companies / small enterprises

**Research** → (intern)national institutes

**Education** → undergraduate or university teaching

**Services** → marketing and selling



plastics industry



polymer recycling



smart biomaterials



rubber industry



petrochemistry



organic chemistry



environmental protection



cosmetics industry





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**FILS ADMISSION:**

online platform: <https://admitere.pub.ro>



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		Locuri / domeniu				Total locuri		
12. Inginerie în limbi străine	IETI (E)	Inginerie electronică, telecomunicații și tehnologii informaționale - engleză	30	15				
	IETI (F)	Inginerie electronică, telecomunicații și tehnologii informaționale - franceză	30	5			7	
	IETI (G)	Inginerie electronică, telecomunicații și tehnologii informaționale - germană	30	5				
	CTI (E)	Calculatoare și Tehnologia Informației - engleză	40	15				
	CTI (F)	Calculatoare și Tehnologia Informației - franceză	30	10				
	IM (E)	Inginerie mecanică - engleză	30	5				
	IM (F)	Inginerie mecanică - franceză	20	5				
	IM (G)	Inginerie mecanică - germană	30	5				
	IC (E)	Inginerie chimică - engleză	20					
					260	70	7	

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