

MASTER EXCELLENCE PROGRAMME

"Bioinspired Chemistry"



Key Program Highlights



The Bioinspired Chemistry Master's Programme (2nd level) draws from nature to innovate solutions in health, energy, materials, and catalysis.



A multi-disciplinary studies gather domains of (bio)chemistry, (bio)materials, supramolecular systems, macromolecules, nanomedicine, self-organization, and nanosciences.



Programme fields: Bioinspired systems, Biomimetics, Supramolecular Chemistry, Biomaterials, Biophysical chemistry, Functional Macromolecules, Nanomedicine, Biointerfaces, Sustainable & Environmental Chemistry, Smart Materials, Clean Energy, Catalysis



Graduates of the Excellence Programme in Bioinspired Chemistry will be experts or project managers in companies from sectors, such as: R&D engineers, biomaterials, pharmaceuticals, nanomedicine, catalysis, etc. They will be ideally prepared for starting PhD studies in the field of bioinspired chemistry and biomaterials after graduation.



Where?



UMONS
Université de Mons

**University of
Mons (UMONS)**



**Poznan University of
Technology (PUT)**

**University of Catania
(UNICT)**



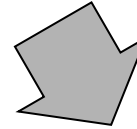
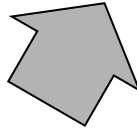
Cunice
EUROPEAN
UNIVERSITY



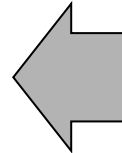
Co-funded by the
Erasmus+ Programme
of the European Union



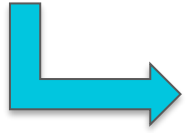
Where?



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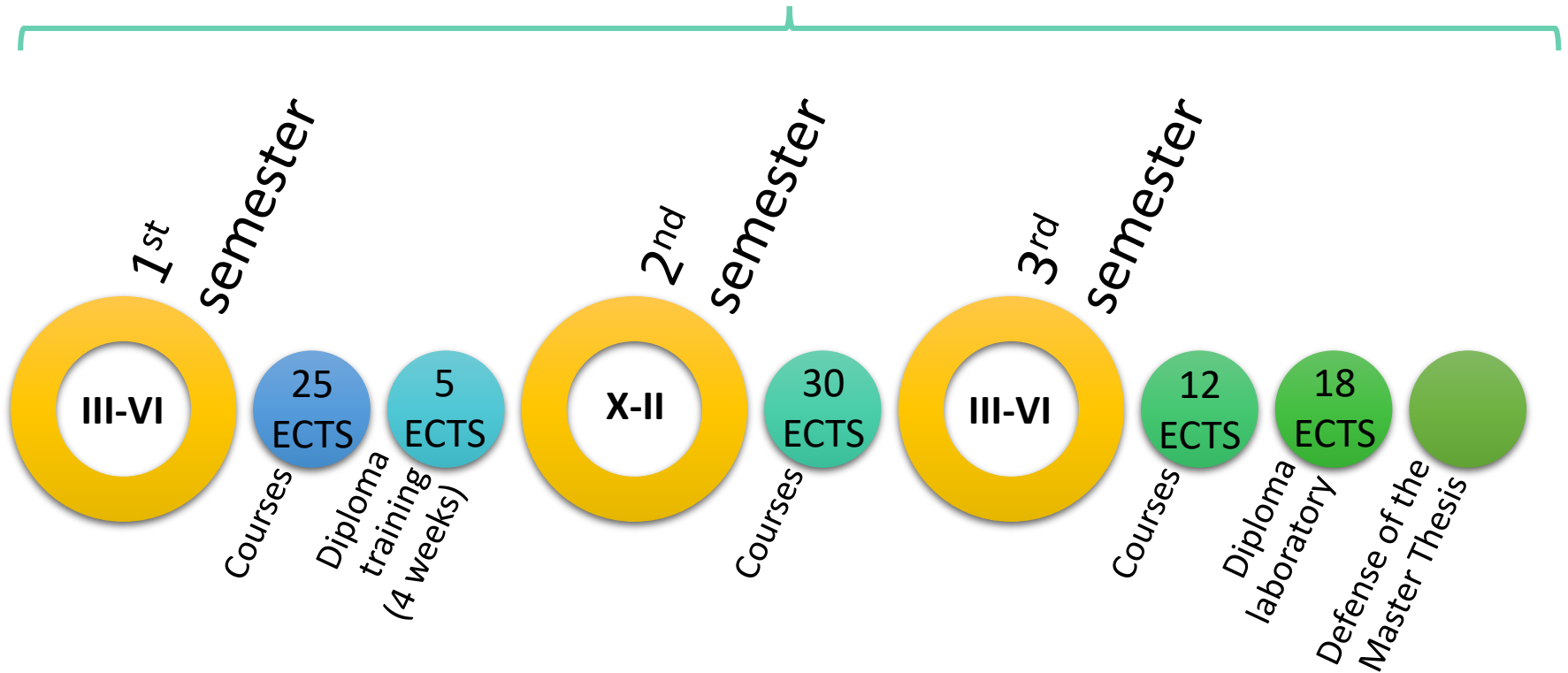
How?



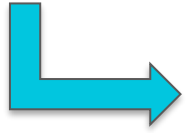
Currently Master Studies at PUT



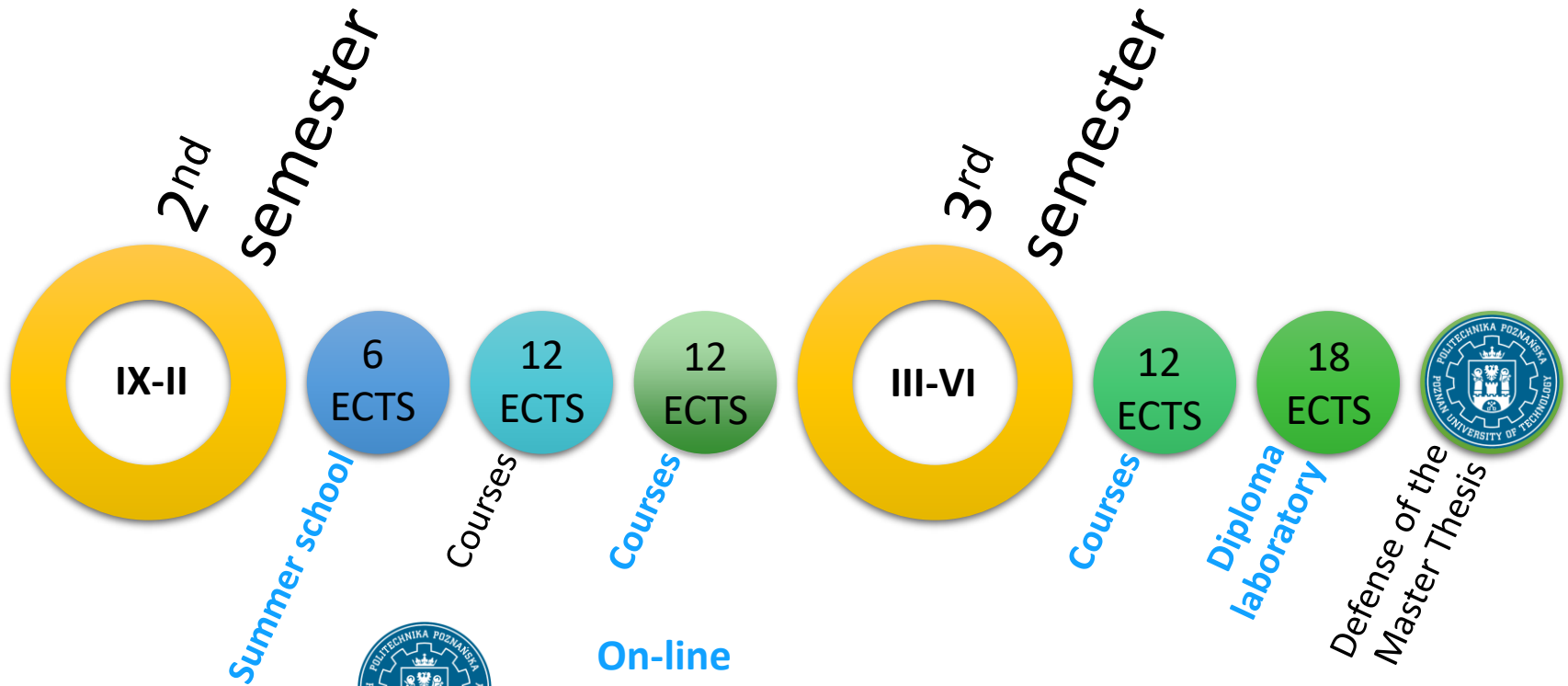
90 ECTS, 3 semesters



How?



MASTER EXCELLENCE PROGRAMME



/ UMONS
Université de Mons



or UMONS
Université de Mons



Summer School 2024 – Blended Intensive Programme

Date: 16th to 20th September 2024

Location: University of Mons, Belgium



Interdisciplinary Learning



Networking Opportunities



Interaction with Experts



Cultural Exchange



Financing from Erasmus+ short term mobility: 70 euro per day

<https://put.poznan.pl/wyjazdy%20krotkoterminowe>



Erasmus+



Summer School 2024

Date: 16th to 20th September 2024
Location: University of Mons, Belgium

	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
MORNING		ARRIVAL Transfer from train stations and airports	Introduction to the program on Bioinspired chemistry	COURSE #3	COURSE #5	COURSE #7	Student presentation
			COURSE #1	COURSE #4	COURSE #6	COURSE #8	Student presentation
			COURSE #2	Student working time	Student working time	LAB AND CAMPUS VISITING	Student presentation
		Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
AFTERNOON		Check in and registration	Invited speaker #1	Research Brainstorming	Invited speaker #2	Student presentation	Closing Remarks
		Social activity	Research brainstorming	Round table	Research brainstorming	Student presentation	
		FREE TIME	FREE TIME	SOCIAL ACTIVITY and GALA DINNER	FREE TIME	Student presentation	
EVENING		DINNER	DINNER		DINNER	DINNER	DEPARTURE Transfer to train stations and airports



Courses in Belgium



Bioinspired supramolecular chemistry (ECTS 4)



Physical chemistry of the living organisms (ECTS 4)



Biomacromolecular engineering (ECTS 4)



Macromolecular biochemistry (ECTS 4)



Courses in Italy



Advanced biochemistry (ECTS 6)



**Physical chemistry of biological systems and biointerfaces –
Nanomedicine and theranostics (ECTS 6)**



Rational drug design (ECTS 6)



Sustainable industrial chemistry (ECTS 9)



Principles of biological physical chemistry (ECTS 6)





Diploma internship in a research laboratory at UMONS or UNICT



Co-supervisor from UMONS or UNICT



Financing from Erasmus+ studies: <https://put.poznan.pl/wyjazdy-na-studia-w-ramach-programu-erasmus>



WHO can apply?



**All MSc students of the Faculty of
Chemical Technology**

(recruited in February 2024)

Recruitment – documents:



1. **Motivation Letter** (max. one A4 page)
2. **Confirmation of English Proficiency** at B2 level (the PUT exam or an external evaluation such as TOEFL or Cambridge English Certificate)

Recruitment – deadline:

Submit your documents by

March 22, 2024

to magdalena.regel-rosocka@put.poznan.pl





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