

Course offer* for incoming Erasmus students

Bachelor of Sciences at Hasselt University (2nd semester, academic year 2025-26)



Course \ Department		BIOLOGY		CHEMISTRY		COMPUTER SCIENCE		MATHEMATICS		PHYSICS	
		Contact : prof. dr. Ann Cuypers		Contact : prof. dr. An Hardy		Contact : prof. dr. Fabian Di Fiore		Contact : prof. dr. Roel Braekers		Contact : prof. dr. Bart Cleuren	
		Course name	ECTS	Course name	ECTS	Course name	ECTS	Course name	ECTS	Course name	ECTS
Discipline-related courses and projects	Courses	Biodiversity Exploration (Ba BIO)	5	Polymeric Materials (Ba CHEM)	3	Information Visualisation (Ma CS)	6	Functional & Fourier Analysis (Ba MATH)	5	Soft Condensed Matter (Ba PHYS)	3
		Molecular Developmental Biology (Ba BIO)	5	Biochemical pathways (Ba CHEM)	5	Database System Architecture (Ma CS)	6	Partial Differential Equations (Ba MATH)	5	Nuclei and particles (Ba PHYS)	6
		Parasitology and One Health (Ba BIO)	3/5	Nanomedicine (1Ma BMS-BEN/EHS)	4	Machine Learning (incl. Deep Learning) (Ma CS)	6	Numerical Methods 3 (Ba MATH)	5	Photonics and Quantum Technology (Ba PHYS)	5
		Ecology: organisms and their environment (Ba BIO)	8	Environmental Chemistry (1 Ma BMS-EHS)	3	Technologies & Tools for Interactive Systems Development (Ma CS)	6	Nonparametric methods (1 Ma STATS & DS)	4	Quantum Effects in Biology (Ba PHYS)	5
		Biochemical pathways (Ba BIO)	5	Functional Polymers for Advanced Applications (1Ma BMS-EHS)	3	Designing Interactive Systems (Ba CS)	6	Concepts of Bioinformatics (1 Ma STATS & DS)	4	Functional & Fourier Analysis (Ba MATH)	5
		Environmental Ethics (1Ma BMS-EHS)	3	Chemistry of Surfaces (1Ma BMS-BEN)	5	Computer Animation and Simulation (Ma CS)	6	Introduction to Bayesian Inference (1 Ma STAT & DS)	4	Advanced Light Microscopy (1Ma BMS-BEN/EHS)	4
		Bioindicators (1Ma BMS-EHS)	3	Materials Design and Synthesis (Ma MAT)	4	Computational Complexity (Ma CS)	6	Visualisation in Data Science (1 Ma STAT&DS)	4		
		Environmental Chemistry (1 Ma BMS-EHS)	3	Sustainable Materials and Energy (Ma MAT)	4	Advanced Programming in Python (1 Ma STAT & DS)	5	Seminar in Numerical Analysis (Ba MATH)	5		
		Microbiomes (1 Ma BMS-EHS)	4	Advanced Inorganic Materials Synthesis (Ma MAT)	x	Visualisation in Data Science (1 Ma STAT&DS)	4				
				Protein based biomaterials (Ma MAT)	3	Artificial Neural Networks and Deep Learning (2 Ma Stats & DS)	4				
				Materials for organic materials (Ma MAT)	3						
	Projects	Final Bachelor Project (Ba BIO)	10	Research Project Material Chemistry (Ba CHEM)	12	Individual Project (BA CS)	6	Final Bachelor Project (Ba MATH)	10	Final Bachelor Project	15
				Research Project Biochemistry (Ba CHEM)	12					Final Bachelor Project (Ba PHYS)	9
Other courses		Visualisation in Data Science (1 Ma STAT&DS)	4	Soft Condensed Matter (Ba PHYS)	3					Visualisation in Data Science (1 Ma STAT&DS)	4

*The above course offer (version May 2025) is subject to changes.

NOTES :

- All courses in this overview will be taught in English, unless explicitly mentioned otherwise. Most course names are hyperlinked to the [study guide of Hasselt University](#), where more information on the course can be found. **Carefully check whether you meet the course foreknowledge requirements, as described in this study guide, before selecting a course in your exchange study programme.** For more information: do contact the departmental coordinator (see above) or the administrative coordinator [Peter Vandoren](#).
- The courses in the second semester start on Monday February 9 2026. The second semester ends on June 27 2026 (including exam period). The welcome days for exchange students will most probably take place on February 4 and 5 2026.