

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	Seminar in Numerical Analysis (Ba MATH)	5	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	Sustainable polymers (Ma MAT)	3	Computer Animation and Simulation (Ma CS)	6	Introduction to Bayesian Inference (1 Ma STAT & DS)	4	Advanced Light Microscopy (1Ma BMS-BEN/EHS)	4
		Environmental Chemistry (1 Ma BMS-EHS)	3	Advanced inorganic materials synthesis(Ma MAT)	3	Computational Complexity (Ma CS)	6	Visualisation in Data Science (1 Ma STAT&DS)	4		
		Microbiomes (1Ma BMS-EHS)	4	Electrochemical energy storage (Ma MAT)	3	Advanced Programming in Python (1 Ma STAT & DS)	5	Nonparametric methods (1 Ma STATS & DS)	4		
				Conversion of materials and energy (Ma MAT)	3	Artificial Neural Networks and Deep Learning (2 Ma Stats & DS)	4				
	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 (Exch PHYS)	15
		International Internship (Exch BIO)	15	Research Project Biochemistry (Ba CHEM)	12	International Internship (Exch CS)	15	International Internship (Exch MATH)	15	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			Visualisation in Data Science (1 Ma STAT&DS)	4

*The course offer 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.