

# Course offer\* for incoming Erasmus bachelor students

## Bachelor of Sciences at Hasselt University (2<sup>nd</sup> semester, academic year 2026-27)

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	<a href="#">Biodiversity Exploration (Ba BIO)</a>	5	<a href="#">Polymeric Materials (Ba CHEM)</a>	3	<a href="#">Designing Interactive Systems (Ba CS)</a>	6	<a href="#">Functional &amp; Fourier Analysis (Ba MATH)</a>	5	<a href="#">Soft Condensed Matter (Ba PHYS)</a>	3
		<a href="#">Molecular Developmental Biology (Ba BIO)</a>	5	<a href="#">Biochemical pathways (Ba CHEM)</a>	5	<a href="#">Information Visualisation (Ma CS)</a>	6	<a href="#">Numerical Methods 3 (Ba MATH)</a>	5	<a href="#">Nuclei and particles (Ba PHYS)</a>	6
		<a href="#">Parasitology and One Health (Ba BIO)</a>	3/5	<a href="#">Nanomedicine (1Ma BMS-BEN/EHS)</a>	4	<a href="#">Machine Learning (incl. Deep Learning) (Ma CS)</a>	6	<a href="#">Seminar in Numerical Analysis (Ba MATH)</a>	5	<a href="#">Photonics and Quantum Technology (Ba PHYS)</a>	5
		<a href="#">Ecology: organisms and their environment (Ba BIO)</a>	8	<a href="#">Environmental Chemistry (1 Ma BMS-EHS)</a>	3	<a href="#">Technologies &amp; Tools for Interactive Systems Development (Ma CS)</a>	6	<a href="#">Introduction to Statistical Bioinformatics (1 Ma STATS &amp; DS)</a>	6	<a href="#">Quantum Effects in Biology (Ba PHYS)</a>	5
		<a href="#">Biochemical pathways (Ba BIO)</a>	5	<a href="#">Functional Polymers for Advanced Applications (1Ma BMS-EHS)</a>	3	<a href="#">Advanced DatabaseTechnology (Ma CS)</a>	6	<a href="#">Introduction to Bayesian Inference (1 Ma STAT &amp; DS)</a>	4	<a href="#">Functional &amp; Fourier Analysis (Ba MATH)</a>	5
		<a href="#">Microbiomes (1Ma BMS-EHS)</a>	4	<a href="#">Sustainable polymers (Ma MAT)</a>	3	<a href="#">Artificial Neural Networks and Deep Learning (2 Ma Stats &amp; DS)</a>	4	<a href="#">Visualisation (1 Ma STAT&amp;DS)</a>	3	<a href="#">Advanced Light Microscopy (1Ma BMS-BEN/EHS)</a>	4
		<a href="#">Environmental Chemistry (1 Ma BMS-EHS)</a>	3	<a href="#">Advanced inorganic synthesis(Ma MAT)</a>	3			<a href="#">Mathematical Statistics (1 Ma STATS &amp; DS)</a>	3		
				<a href="#">Electrochemical energy storage (Ma MAT)</a>	3			<a href="#">Linear Algebra and Application in Data Science (1 Ma STATS &amp; DS)</a>	3		
			<a href="#">Conversion of materials and energy (Ma MAT)</a>	3			<a href="#">Continuous Optimization (1 Ma STATS &amp; DS)</a>	3			
		Projects	<a href="#">Final Bachelor Project (Ba BIO)</a>	10	<a href="#">Research Project Material Chemistry (Ba CHEM)</a>	12	<a href="#">Individual Project (BA CS)</a>	6	<a href="#">Final Bachelor Project (Ba MATH)</a>	10	<a href="#">Final Bachelor Project (Exch PHYS)</a>
	<a href="#">International Internship (Exch BIO)</a>		15	<a href="#">Research Project Biochemistry (Ba CHEM)</a>	12	<a href="#">International Internship (Exch CS)</a>	15	<a href="#">International Internship (Exch MATH)</a>	15	<a href="#">Final Bachelor Project (Ba PHYS)</a>	9
Other courses		<a href="#">Visualisation (1 Ma STAT&amp;DS)</a>	3	<a href="#">Soft Condensed Matter (Ba PHYS)</a>	3					<a href="#">Visualisation (1 Ma STAT&amp;DS)</a>	3

\*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 15, 2027. The second semester ends on July 2, 2027 (including exam period). The welcome days for exchange students will most probably take place on February 11 and 12, 2027.
- Course names in italic denote new courses in 2026-27; for these courses a course description is not yet available online (expected by July 15 2026).