ENROLMENT REQUIREMENTS MASTER BIOMEDICAL RESEARCH 2026-2027

In order to be eligible to take a course, you usually have to meet certain enrolment requirements. These requirements can be both pre- and corequisites. The requirement may be blocking or advisory in nature. At the VUB, there are 4 types of enrolment requirements:

1. Binding prerequisite
2. Advisory prerequisite
3. Binding corequisite
4. Advisory corequisite

Below you will find the definition of the different types of enrolment requirements. Check out the specific enrolment requirements for your programme on the next page.

BINDING PREREQUISITE

Due to certain risks and safety issues, you can only enrol in course X if you have passed, been exempted from or deliberated for course Y. It is not possible to register for courses if you do not meet the binding prerequisite.

ADVISORY PREREQUISITE

The curriculum council strongly recommends that you only enrol in course X if you have taken course Y. Although this prerequisite is not binding and it is possible to register for course X without having taken course Y, it is your own responsibility not to follow the programme's advice. This means that you do not have the required competencies.

BINDING COREQUISITE

You can only enrol in course X if you are also simultaneously registered for (or have already passed/been exempted from) course Y. In order to achieve the learning results of course X in a safe/good way, a registration for course Y is necessary. It is not possible to register for courses if you do not meet the binding corequisite.

ADVISORY COREQUISITE

The curriculum council strongly recommends that you only enrol in course X if you are simultaneously registered for (or have already passed/been exempted from) course Y. Although this corequisite is not binding and it is possible to register for course X without simultaneously taking course Y, it is your own responsibility not to follow the programme's advice. This means that you do not have the required competencies.

HAVE A LOOK AT THE ENROLMENT REQUIREMENTS FOR YOUR PROGRAMME

VRIJE UNIVERSITEIT BRUSSEL

Enrolment requirements Master Biomedical Research (120 ECTS-credits) 2026-2027

MODULE 1 (48 ECTS)

Course title	Sem	ECTS	Binding prerequisite	Advisory prerequisite	Binding corequisite	Advisory corequisite	Additional requirements
						Fysiologie van de cel en organen	
						Bio-ethiek I	
						Expermimentele cellulaire en moleculaire biologie II	
						Farmacologie: basisconcepten	
						Ziekteprocessen: moleculaire en cellulaire basis	
						Laboratory Animal Science 1	
						Wetenschappelijke Lijn 3: wetenschapscommunicatie	
						Bachelorproef : formulere en verdedigen van een wetenschappelijke hypothese	
						Biomedische Genetica	
						Experimentele cellulaire en moleculaire biologie III	
						Topics in Farmacologie	
						Pathofysiologie van de organen en inleiding tot de ziekteleer	
Topics in Biomedical Research	1	8				Kwaliteitsmanagement	
						Klinische laboratoriumtechnieken	
						OF voor studenten uit het verkort Bach BMLT TRAJECT geldt:	
						Fysiologie van de cel en de organen / theorie	
						Bio-ethiek I	
						Experimentele cellulaire en moleculaire biologie II: onderzoek aan cellulaire eiwitten	
						Farmacokinetiek en -dynamiek	
						Algemene pathologie	
						Laboratory Animal Science 1	
						Research Seminaries	

						Selectie uit de biomedische genetica	
						Experimentele cellulaire en moleculaire biologie III	
						Topics in Farmacologie	
						Onstaansmechanisme van ziekten	
Professionalisation in Scientific Research	1	4		Bachelorproef : formuleren en verdedigen van een wetenschappelijke hypothese			
Bio-ethics II	1	3				Bio-ethiek I	
Laboratory Animal Science 1	1	3					**Geen**
Laboratory Animal Science 2	1	3				Laboratory Animal Science 1	
Academic English for life sciences (ACTO)	1	3					**Geen**
Literature Study Preparing for Research Trainings	J	3	Bachelordiploma BMW		Practical Laboratory Training / Journal and data clubs		
Research Seminars 1	J	3		Wetenschappelijke Lijn 3: wetenschapscommunicatie		De cel: Biomoleculen en metabolisme	
						De cel: Moleculaire biologie en signaaltransductie	
						OF voor studenten uit het verkort Bach BMLT TRAJECT geldt:	
				Research seminaries		De cel : metabolisme	
						De cel : Signaaltransductie	
Practical Laboratory Training / Journal and data clubs	2	18	Bachelordiploma BMW		Literature Study Preparing for Research Trainings	Topics in Biomedical Research	

MODULE 2 (48 ECTS)

Course title	Sem	ECTS	Binding prerequisite	Advisory prerequisite	Binding corequisite	Advisory corequisite	Additional requirements
Research Internship / Journal & data clubs	J	20	Bachelordiploma BMW			Master Thesis Biomedical Research	
			Practical Laboratory Training / Journal and data clubs				
			Literature Study Preparing for Research Trainings				
Master Thesis Biomedical Research	J	22	Bachelordiploma BMW		alle OO's master		
Research proposal assignment	J	3	Bachelordiploma BMW		Master Thesis Biomedical Research		
Research Seminars 2	J	3		Research seminars 1		Topics in Biomedical Research	

ELECTIVE COURSES 1 + 2 (24 ECTS)

Course title	Sem	ECTS	Binding prerequisite	Advisory prerequisite	Binding corequisite	Advisory corequisite	Additional requirements
Gene Therapy and gene editing	1	5				Immunologie	

Beta Cell Therapy in Diabetes	1	5		De cel: Biomoleculen en metabolisme			
				De cel: Moleculaire biologie en signaaltransductie			
				Immunologie			
				OF voor studenten uit het verkort Bach BMLT TRAJECT geldt:			
				De cel: metabolisme			
				De cel: Signaaltransductie			
Hematopoietic Cell Therapies	1	5					**Geen**
Brain structure and function in health and disease	1	5		Pathofysiologie van de organen en inleiding tot de ziekteleer			
				OF voor studenten uit het verkort Bach BMLT TRAJECT geldt:			
				Ontstaansmechanisme van ziekten			
Genetics and Reproduction	1	5		Bachelordiploma BMW			
Manipulation of the Immune System	1	5		Immunologie			
Introduction to Management and HRM	1	3					**Geen**
Introduction to Marketing and Marketing Research	1	3					**Geen**
Business and Corporate Strategy	1	6				Introduction to Management and HRM	
Sustainability: an Interdisciplinary Approach	1	6					**Geen**
Good clinical practice en klinische studies	1	3		Kwaliteitsmanagement			
Molecular Phylogenetics and Evolution	1sem/2j (oneven)	6					**Geen**
Drug Discovery & Development	1	3		Bachelordiploma BMW			
Immuno-imaging and molecular therapy	2sem/2j (even)	5					**Geen**
Adult Stem and Progenitor Cells	2	6				Ontwikkelingsbiologie en embryologie	
						Experimentele cellulaire en moleculaire biologie I	
						OF voor studenten uit het verkort Bach BMLT TRAJECT geldt:	
						Ontwikkelingsbiologie en embryologie	
Laboratory Animal Science 3	2	3				Laboratory Animal Science 1	
						Laboratory Animal Science 2	
Embryonic Stem Cells	2	6					**Geen**
						Ziekteprocessen: moleculaire en cellulaire basis	

Molecular Targets in Cancer Cells	2	8				**OF voor studenten uit het verkort Bach BMLT TRAJECT geldt:**	
						Algemene pathologie	
Strategic Marketing	2	6					**Geen**
Human Resource Management	2	6				Introduction to Management and HRM	
Advanced Developmental Biology	2	6					**Geen**
Microbial Life in Extreme Conditions	2	3					**Geen**
Klinische farmacologie en farmacotherapie	2	9				Gebruik van diermodellen in de biomedische wetenschappen	
						Farmacologie: basisconcepten	
						OF voor studenten uit het verkort Bach BMLT TRAJECT geldt:	
						Farmacokinetiek en -dynamiek	
Applied Toxicology	2	4				Farmacologie: basisconcepten	
						OF voor studenten uit het verkort Bach BMLT TRAJECT geldt:	
						Farmacokinetiek en -dynamiek	
Gerechtelijk geneeskunde en criminalistiek	2	6					**Geen**
Micro-and Nanobiotechnology	2	3					**Geen**
Bioinformatics : Transcriptome analysis in R	2sem/2j (even)	5		Bachelordiploma BMW			
Discovery and biomedical application of antibodies	2sem/2j (oneven)	5		Bachelordiploma BMW			