

Faculty of Sciences, Faculty of Engineering and Architecture, Faculty of Bioscience Engineering

Preparatory Course Master of Science in Bioinformatics -- Engineering

Language of instruction: Dutch

Programme version 3

1 General Courses

1.1 Intake Bachelor of Science in Engineering

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E003110 Applied Probability <i>Sabine Wittevrongel -- Department of Telecommunications and Information Processing</i>	3			A:2	90
2	E017210 Computer Programming <i>Filip De Turck -- Department of Information Technology</i>	6			A:2	180
3	E018310 Algorithms and Data Structures <i>Tom Dhaene -- Department of Information Technology</i>	6			A:2	180
4	E019010 Operating Systems <i>Koen De Bosschere -- Department of Electronics and Information Systems</i>	6			A:1	180
5	E034110 Computer Architecture <i>Koen De Bosschere -- Department of Electronics and Information Systems</i>	6			A:2	180
6	E018120 Databases <i>Guy De Tré -- Department of Telecommunications and Information Processing</i>	3			A:1	90
7	E017610 Software Engineering <i>Bart Dhoedt -- Department of Information Technology</i>	6			A:1	180
8	E016350 Artificial Intelligence [en] <i>Aleksandra Pizurica -- Department of Telecommunications and Information Processing</i>	3			B:2	90

1.1.1 General Courses according to previous degree of the student

Subscribe to no more than 12 credit units from the Bachelor of Science in Computer Science Engineering. Subject to approval by the faculty. Depending on the student's previous degree.

1.2 Intake Bachelor of Science in Engineering: Electrical Engineering

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E018310 Algorithms and Data Structures <i>Tom Dhaene -- Department of Information Technology</i>	6			A:2	180
2	E019010 Operating Systems <i>Koen De Bosschere -- Department of Electronics and Information Systems</i>	6			A:1	180
3	E018120 Databases <i>Guy De Tré -- Department of Telecommunications and Information Processing</i>	3			A:1	90
4	E017610 Software Engineering <i>Bart Dhoedt -- Department of Information Technology</i>	6			A:1	180

1.2.1 General Courses according to previous degree of the student

Subscribe to no more than 12 credit units from the Bachelor of Science in Computer Science Engineering. Subject to approval by the faculty. Depending on the student's previous degree.

1.3 Intake Bachelor of Science in Biochemistry and Biotechnology, Bachelor of Science in Bioscience Engineering, Bachelor of Science in Mathematics (Minor Life Sciences/Minor Informatics)

Nr	Course	CRDT	Ref	MT1	Session	Study
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1	E001460	Discrete Mathematics I <i>Mario Pickavet -- Department of Information Technology</i>	4	A:1	120
2	E003110	Applied Probability <i>Sabine Wittevrongel -- Department of Telecommunications and Information Processing</i>	3	A:2	90
3	E017210	Computer Programming <i>Filip De Turck -- Department of Information Technology</i>	6	A:2	180
4	E018310	Algorithms and Data Structures <i>Tom Dhaene -- Department of Information Technology</i>	6	A:2	180
5	E019010	Operating Systems <i>Koen De Bosschere -- Department of Electronics and Information Systems</i>	6	A:1	180
6	E034110	Computer Architecture <i>Koen De Bosschere -- Department of Electronics and Information Systems</i>	6	A:2	180
7	E018120	Databases <i>Guy De Tré -- Department of Telecommunications and Information Processing</i>	3	A:1	90
8	E017610	Software Engineering <i>Bart Dhoedt -- Department of Information Technology</i>	6	A:1	180
9	E016350	Artificial Intelligence [en] <i>Aleksandra Pizurica -- Department of Telecommunications and Information Processing</i>	3	B:2	90

1.3.1 General Courses according to previous degree of the student

Subscribe to no less than 17 credit units from the Bachelor of Science in Computer Science Engineering. Subject to approval by the faculty. Depending on the student's previous degree.

Teaching

When a course is not taught (solely) in the programme's language of instruction, the effectively used languages are indicated in square brackets following the course name, using the following ISO codes:

bg: Bulgarian	de: German	es: Spanish	ja: Japanese	pl: Polish	sh: Croatian/Serbian	zh: Chinese
cs: Czech	el: Greek	fr: French	nl: Dutch	pt: Portuguese	sl: Slovene	
da: Danish	en: English	it: Italian	no: Norwegian	ru: Russian	sv: Swedish	

Semester

Semesters are indicated by their number (1 or 2); semester 3 represents the summer period and J indicates a course spanning semesters 1 and 2. When a capital letter precedes a semester number, the course has multiple offerings. The letter indicates the offering concerned.

When a semester is shown in brackets, the course is not offered this year in the specific offering.

The offering frequency and first year of offering are indicated by the following codes:

a: bi-annually	c: annually, from 2026-2027	f: annually, from 2027-2028	i: annually, from 2028-2029
b: tri-annually	d: bi-annually, from 2026-2027	g: bi-annually, from 2027-2028	j: bi-annually, from 2028-2029
	e: tri-annually, from 2026-2027	h: tri-annually, from 2027-2028	k: tri-annually, from 2028-2029