

Faculty of Engineering and Architecture

Exchange Programme Information Engineering Technology

Language of instruction: English

Programme version 3

## 1 General Courses

This list is only meant for incoming exchange students, and lists the English courses from the Information Engineering Technology programme of the Faculty of Engineering and Architecture (FEA, courses beginning with an E).

The exchange programme for incoming exchange students is determined in accordance with the faculty's modalities for exchange, and comprises the following number of ECTS:

- if the exchange spans one semester: minimum 20 ECTS, maximum 30 ECTS
- if the exchange spans one year: minimum 40 ECTS, maximum 62 ECTS

At least 50% of the courses must be chosen from the Faculty of Engineering and Architecture (course codes starting with E). Courses from another faculty can only be subscribed to on request and in consultation with the International Relations Office. Exceptions on the minimum requirements are only possible in specific situations (e.g. students who only need to pass the master's thesis to achieve their degree at the home university), and exceptions are always motivated, in accordance with the faculty's modalities for exchange.

More information: <https://www.ugent.be/ea/en/for-exchange-students>

The courses marked with reference 'a' are taught in Dutch, but can be taken by incoming non-Dutch speaking students (by means of English course material, with guided self-study).

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E765003 Network and Computer Security [nl] <i>Eli De Poorter -- Department of Information Technology</i>	6	a		A:1	170
2	E761040 Distributed data processing [nl] <i>Bruno Volckaert -- Department of Information Technology</i>	3	a		B:2	90
3	E765027 Systems Design <i>Merlijn Sebrechts -- Department of Information Technology</i>	3			A:1	90
4	E019170 Internet of Things <i>Jeroen Hoebeke -- Department of Information Technology</i>	6			A:1	180
5	E008711 Network Hacking and Protection <i>Bruno Volckaert -- Department of Information Technology</i>	6			A:1	180
6	E017942 Software Hacking and Protection <i>Bjorn De Sutter -- Department of Electronics and Information Systems</i>	6			A:1	180
7	E018700 Data Quality <i>Antoon Bronselaer -- Department of Telecommunications and Information Processing</i>	3			A:1	90
8	E765025 System Administration <i>Bruno Volckaert -- Department of Information Technology</i>	6			A:2	170
9	E012320 Mobile and Broadband Access Networks <i>Ingrid Moerman -- Department of Information Technology</i>	6			B:2	180
10	E018520 Compilers <i>Bjorn De Sutter -- Department of Electronics and Information Systems</i>	6			A:2	180
11	E018130 NoSQL Databases <i>Antoon Bronselaer -- Department of Telecommunications and Information Processing</i>	3			A:2	90
12	E016712 Computer Graphics <i>Danilo Babin -- Department of Telecommunications and Information Processing</i>	6			A:2	180
13	E016712 Computer Graphics <i>Danilo Babin -- Department of Telecommunications and Information Processing</i>	3			B:2	90
14	E017950 Secure Software and Systems <i>Bart Coppens -- Department of Electronics and Information Systems</i>	6			A:2	180
15	E061380 Embedded Machine Learning <i>Adnan Shahid -- Department of Information Technology</i>	3			A:2	90

16	E076820	Project Management <i>Mario Vanhoucke -- Department of Business Informatics and Operations Management</i>	6	A:2	180
17	E099600	Industry Internship Engineering Technology [en, nl] <i>Patrick Segers -- Department of Electronics and Information Systems</i>	6	A:J	180
18	E099600	Industry Internship Engineering Technology [en, nl] <i>Patrick Segers -- Department of Electronics and Information Systems</i>	3	B:J	90
19	E705002	Master's Dissertation [nl]	18	A:J	540

#### 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