2/4/2020 GIC

Information and Communication Engineering

About the program Curriculum Entrance Selection

Below is the complet curriculum of Information and Communication Engineering Program starting from 3rd (Semeter V) year to 5th year. C (Cours in French) represents lectures; TD (Travaux Dirigés in French) represents tutorials; and TP (Travaux Practiques in French) represents practicals.

Subject	Short	Code	ode Hours				Credit				
			С	TD	TP	Total	С	TD	TP	Total	
Semester V			160	48	176	384	10	1.5	5.5	17.0	
Algorithms and programming	Algo	GICI31ALP	32	16	32	80	2	0.5	1	3.5	
Combinational and sequential logics	Logique	GICI31LCS	16	0	16	32	1	0	0.5	1.5	
Computer architecture	AO	GICI31ACO	16	0	0	16	1	0	0	1.0	
Discrete mathematics	MD	GICI31MMD	32	0	0	32	2	0	0	2.0	
Electronics	Electro	GICI31ELE	16	0	0	16	1	0	0	1.0	
Information systems analysis and design	ACSI	GICI31ACI	16	0	16	32	1	0	0.5	1.5	
Introduction to computer systems and networks	SI	GICI31SIR	16	0	16	32	1	0	0.5	1.5	
Probability and statistics	Satistique	DTCI22PBB	16	32	0	48	1	1	0	2.0	
English	EN	XXXIXXLAN	0	0	32	32	0	0	1	1.0	
French	FR	XXXIXXLFR	0	0	64	64	0	0	2	2.0	
Semester VI			144	64	176	384	9	2	5.5	16.5	
Algorithms and programming	Algo	GICI31ALP	16	16	32	64	1	0.5	1	2.5	
Automata theory	Automates	GICI32THA	32	0	0	32	2	0	0	2.0	
Combinational and sequential logics	Logiques	GICI31LCS	16	0	16	32	1	0	0.5	1.5	
Computer architecture	AO	GICI31ACO	16	16	16	48	1	0.5	0.5	2.0	
Database	BD	GICI32BDD	16	16	16	48	1	0.5	0.5	2.0	
Theoretical computer science	IT	GICI32INT	32	0	0	32	2	0	0	2.0	
Informatique (MATLAB)	Matlab	DTCI12INF	16	16	0	32	1	0.5	0	1.5	
English	EN	XXXIXXLAN	0	0	64	64	0	0	2	2.0	
French	FR	XXXIXXLFR	0	0	32	32	0	0	1	1.0	
Internship		GICI32STA								0.0	
Semester VII			144	48	176	368	9	1.5	5.5	16.0	
Advanced computer architecture	АА	GICI41ACA	32	0	0	32	2	0	0	2.0	
Human computer interaction	IHM	GICI41LAC	32	0	0	32	2	0	0	2.0	
Internet programming	PI	GICI41PGI	16	16	16	48	1	0.5	0.5	2.0	
Networks	Réseaux	GICI411 OI	16	0	16	32	1	0.3	0.5	1.5	
Operating systems	SE	GICI41SSE	16	16	16	48	1	0.5	0.5	2.0	
Software engineering	GL	GICI4133L GICI41GEL	16	16	32	64	1	0.5	1	2.5	
Telecommunication	Télécomm	GICI410LL GICI41TLC	16	0	32	48	1	0.5	1	2.0	
English	EN	XXXIXXLAN	0	0	32	32	0	0	1	1.0	
French	FR	XXXIXXLFR	0	0	32	32	0	0	1	1.0	
I TEHOH	111	AAAIAALFR	0	0	JZ	JZ	<u> </u>		'	1.0	
Semester VIII			144	64	192	400	9	2	6	19.0	

https://gic.itc.edu.kh/program/4/curriculum

2/4/2020 GIC

		Gi	C						
		16	16	16	48	1	0.5	0.5	2.0
Compilation	GICI42CPL	16	16		48	1	0.5	0.5	2.0
SD	GICI42IHM	16	0	32	48	1	0	1	2.0
PI	GICI41PGI	16	16	16	48	1	0.5	0.5	2.0
Réseaux	GICI41RES	16	0	16	32	1	0	0.5	1.5
SE	GICI41SSE	16	0	0	16	1	0	0	1.0
GL	GICI41GEL	32	0	16	48	2	0	0.5	2.5
ARS	GICI42ARS	16	16	16	48	1	0.5	0.5	2.0
EN	XXXIXXLAN	0	0	32	32	0	0	1	1.0
FR	XXXIXXLFR	0	0	32	32	0	0	1	1.0
	GICI42STA								2.0
		208	16	160	384	13	0.5	5	18.5
IA	GICI51INA	32	0	0	32	2	0	0	2.0
TI	GICI51TRM	32	0	16	48	2	0	0.5	2.5
CPI	GICI51CPI	16	16	0	32	1	0.5	0	1.5
MS	GICI51MOS	16	0	16	32	1	0	0.5	1.5
ARS	GICI51RAS	16	0	32	48	1	0	1	2.0
Cloud	GICI51ACP	32	0	16	48	2	0	0.5	2.5
NLP	GICI51TRP	32	0	16	48	2	0	0.5	2.5
RM	GICI5RM	32	0	0	32	2	0	0	2.0
EN	XXXIXXLAN	0	0	32	32	0	0	1	1.0
FR	XXXIXXLFR	0	0	32	32	0	0	1	1.0
									9.0
	GICI52STA								9.0
		800	240	880	1920	50	7.5	27.5	96.0
	PI Réseaux SE GL ARS EN FR IA TI CPI MS ARS Cloud NLP RM EN	Compilation GICI42CPL SD GICI42IHM PI GICI41PGI Réseaux GICI41RES SE GICI41SSE GL GICI41GEL ARS GICI42ARS EN XXXIXXLAN FR XXXIXXLFR GICI42STA IA GICI51INA TI GICI51TRM CPI GICI51CPI MS GICI51RAS Cloud GICI51ACP NLP GICI5TRP RM GICI5RM EN XXXIXXLAN FR XXXIXXLAN	SGBD GICI42BDA 16 Compilation GICI42CPL 16 SD GICI42IHM 16 PI GICI41PGI 16 Réseaux GICI41RES 16 SE GICI41SSE 16 GL GICI41GEL 32 ARS GICI42ARS 16 EN XXXXIXXLAN 0 FR XXXXIXXLFR 0 GICI42STA 0 0 FR XXXIXXLFR 0 GICI51INA 32 0 TI GICI51TRM 32 CPI GICI51CPI 16 MS GICI51RAS 16 Cloud GICI51RAS 16 Cloud GICI51TRP 32 RM GICI5TRP 32 RM GICI5TRP 32 EN XXXXIXXLAN 0 FR XXXXIXXLFR 0	SGBD GICI42BDA Compilation GICI42CPL 16 16 SD GICI42IHM 16 0 PI GICI41PGI 16 16 Réseaux GICI41RES 16 0 SE GICI41SSE 16 0 GL GICI41GEL 32 0 ARS GICI42ARS 16 16 EN XXXIXXLAN 0 0 FR XXXIXXLFR 0 0 GICI42STA 0 0 0 FR XXXIXXLFR 0 0 TI GICI51INA 32 0 CPI GICI51CPI 16 16 MS GICI51RAS 16 0 ARS GICI51RAS 16 0 NLP GICI51TRP 32 0 RM GICI5RM 32 0 RM GICI5CPI 32 0 RM GICI5RM 32 <td>SGBD GICI42BDA 16 16 16 Compilation GICI42CPL 16 16 16 SD GICI42IHM 16 0 32 PI GICI4IPGI 16 16 16 Réseaux GICI4IRES 16 0 16 SE GICI4ISSE 16 0 0 GL GICI42ARS 16 16 16 ARS GICI42ARS 16 16 16 EN XXXIXXLAN 0 0 32 FR XXXIXXLFR 0 0 32 GICI42STA 0 0 32 IA GICI51INA 32 0 0 IA GICI5ITRM 32 0 16 CPI GICI5ICPI 16 16 0 MS GICI5IRAS 16 0 32 Cloud GICI5TRP 32 0 16 NLP GI</td> <td>SGBD GICI42BDA 16 16 16 48 Compilation GICI42CPL 16 16 16 48 SD GICI42IHM 16 0 32 48 PI GICI41PGI 16 16 16 48 Réseaux GICI41RES 16 0 16 32 SE GICI41SSE 16 0 0 16 48 ARS GICI42ARS 16 16 16 48 EN XXXIXXLAN 0 0 32 32 FR XXXIXXLFR 0 0 32 32 FR XXXIXXLFR 0 0 32 32 TI GICI51INA 32 0 16 48 CPI GICI51CPI 16 16 0 32 MS GICI51MOS 16 0 32 48 Cloud GICI51ACP 32 0 16</td> <td>SGBD GICI42BDA 16 16 16 48 1 Compilation GICI42CPL 16 16 16 48 1 SD GICI42IHM 16 0 32 48 1 PI GICI41PGI 16 16 16 48 1 Réseaux GICI41RES 16 0 16 32 1 SE GICI41SSE 16 0 0 16 1 GL GICI41GEL 32 0 16 48 2 ARS GICI42ARS 16 16 16 48 1 EN XXXIXXLAN 0 0 32 32 0 FR XXXIXXLFR 0 0 32 32 0 GICI51INA 32 0 16 48 2 CPI GICI5IRAS 16 0 32 1 MS GICI5IRAS 16 0</td> <td>SGBD GICI42BDA 16 16 16 48 1 0.5 Compilation GICI42CPL 16 16 16 48 1 0.5 SD GICI42HM 16 0 32 48 1 0 PI GICI41PGI 16 16 16 48 1 0.5 Réseaux GICI41RES 16 0 16 32 1 0 SE GICI41SSE 16 0 0 16 1 0 GL GICI41GEL 32 0 16 48 2 0 ARS GICI42ARS 16 16 16 48 1 0.5 EN XXXIXXLAN 0 0 32 32 0 0 FR XXXIXXLFR 0 0 32 32 0 0 IA GICI5INA 32 0 16 48 2 0 <tr< td=""><td>SGBD GICI42BDA 16 16 16 48 1 0.5 0.5 Compilation GICI42CPL 16 16 16 48 1 0.5 0.5 SD GICI4IPM 16 0 32 48 1 0 1 PI GICI4IPGI 16 16 16 48 1 0.5 0.5 Réseaux GICI4IRES 16 0 16 32 1 0 0.5 SE GICI4IGEL 32 0 16 48 2 0 0.5 GE GICI42ARS 16 16 16 48 1 0.5 0.5 EN XXXIXXLAN 0 0 32 32 0 0 1 FR XXXIXXLAN 0 0 32 32 0 0 1 FR XXXIXXLAN 32 0 0 32 2 0 0</td></tr<></td>	SGBD GICI42BDA 16 16 16 Compilation GICI42CPL 16 16 16 SD GICI42IHM 16 0 32 PI GICI4IPGI 16 16 16 Réseaux GICI4IRES 16 0 16 SE GICI4ISSE 16 0 0 GL GICI42ARS 16 16 16 ARS GICI42ARS 16 16 16 EN XXXIXXLAN 0 0 32 FR XXXIXXLFR 0 0 32 GICI42STA 0 0 32 IA GICI51INA 32 0 0 IA GICI5ITRM 32 0 16 CPI GICI5ICPI 16 16 0 MS GICI5IRAS 16 0 32 Cloud GICI5TRP 32 0 16 NLP GI	SGBD GICI42BDA 16 16 16 48 Compilation GICI42CPL 16 16 16 48 SD GICI42IHM 16 0 32 48 PI GICI41PGI 16 16 16 48 Réseaux GICI41RES 16 0 16 32 SE GICI41SSE 16 0 0 16 48 ARS GICI42ARS 16 16 16 48 EN XXXIXXLAN 0 0 32 32 FR XXXIXXLFR 0 0 32 32 FR XXXIXXLFR 0 0 32 32 TI GICI51INA 32 0 16 48 CPI GICI51CPI 16 16 0 32 MS GICI51MOS 16 0 32 48 Cloud GICI51ACP 32 0 16	SGBD GICI42BDA 16 16 16 48 1 Compilation GICI42CPL 16 16 16 48 1 SD GICI42IHM 16 0 32 48 1 PI GICI41PGI 16 16 16 48 1 Réseaux GICI41RES 16 0 16 32 1 SE GICI41SSE 16 0 0 16 1 GL GICI41GEL 32 0 16 48 2 ARS GICI42ARS 16 16 16 48 1 EN XXXIXXLAN 0 0 32 32 0 FR XXXIXXLFR 0 0 32 32 0 GICI51INA 32 0 16 48 2 CPI GICI5IRAS 16 0 32 1 MS GICI5IRAS 16 0	SGBD GICI42BDA 16 16 16 48 1 0.5 Compilation GICI42CPL 16 16 16 48 1 0.5 SD GICI42HM 16 0 32 48 1 0 PI GICI41PGI 16 16 16 48 1 0.5 Réseaux GICI41RES 16 0 16 32 1 0 SE GICI41SSE 16 0 0 16 1 0 GL GICI41GEL 32 0 16 48 2 0 ARS GICI42ARS 16 16 16 48 1 0.5 EN XXXIXXLAN 0 0 32 32 0 0 FR XXXIXXLFR 0 0 32 32 0 0 IA GICI5INA 32 0 16 48 2 0 <tr< td=""><td>SGBD GICI42BDA 16 16 16 48 1 0.5 0.5 Compilation GICI42CPL 16 16 16 48 1 0.5 0.5 SD GICI4IPM 16 0 32 48 1 0 1 PI GICI4IPGI 16 16 16 48 1 0.5 0.5 Réseaux GICI4IRES 16 0 16 32 1 0 0.5 SE GICI4IGEL 32 0 16 48 2 0 0.5 GE GICI42ARS 16 16 16 48 1 0.5 0.5 EN XXXIXXLAN 0 0 32 32 0 0 1 FR XXXIXXLAN 0 0 32 32 0 0 1 FR XXXIXXLAN 32 0 0 32 2 0 0</td></tr<>	SGBD GICI42BDA 16 16 16 48 1 0.5 0.5 Compilation GICI42CPL 16 16 16 48 1 0.5 0.5 SD GICI4IPM 16 0 32 48 1 0 1 PI GICI4IPGI 16 16 16 48 1 0.5 0.5 Réseaux GICI4IRES 16 0 16 32 1 0 0.5 SE GICI4IGEL 32 0 16 48 2 0 0.5 GE GICI42ARS 16 16 16 48 1 0.5 0.5 EN XXXIXXLAN 0 0 32 32 0 0 1 FR XXXIXXLAN 0 0 32 32 0 0 1 FR XXXIXXLAN 32 0 0 32 2 0 0

Related Links

- → <u>Curriculum</u>
- → Entrance Selection
- → <u>Timetable</u>
- → Academic Calendar

GIC's Reports

What alumni say about GIC?

Our University Partners

Photo gallery

Students & Alumni

Awardees

Where Our Students Do

News

Students' Notable Works

Scholarships

Internship?

Posters

Video gallery

FAQs

GIC Service

Others

https://gic.itc.edu.kh/program/4/curriculum

2/4/2020 GIC

Copyright © 2019 by GIC Department

y f ⊚ y in

Office 307F, Building F, PO Box 86, Russian

Conf. Blvd. Phnom Penh, Cambodia. Tel: (855) 023 5555 942

Fax: (855) 23 880 369

E-mail: itc.gicinfo@gmail.com

Website: gic.itc.edu.kh

https://gic.itc.edu.kh/program/4/curriculum