

Bachelor's Degree of Science
Four-Year Undergraduate Program
Major in Computer Science and Engineering

YEAR ONE (FOUNDATION YEAR)				
No.	Course Code	Course Title	Credits	Prerequisite
Semester 1				
1	CS 101	A+	3 (2-1-0)	COM 001, Waive
2	ENG 106	English for Computing	3 (2-1-0)	-
3	KHM 101	Khmer Studies	3 (3-0-0)	-
4	MAT 101	Mathematics for Computing	3 (2-1-0)	-
5	MIT 101	Business IT and Fintech Concept	3 (3-0-0)	-
Total			15	
YEAR ONE (FOUNDATION YEAR)				
No.	Course Code	Course Title	Credits	Prerequisite
Semester 2				
1	CS 105	Web Design	3 (2-1-0)	-
2	CS 106	C# .NET Programming	6 (4-2-0)	MAT 101
3	CS 107	SQL Server	6 (4-2-0)	MAT 101
Total			15	
YEAR TWO				
No.	Course Code	Course Title	Credits	Prerequisite
Semester 1				
1	CS 211	UX/UI Design	3 (2-1-0)	-
2	CS 212	Web Development I	3 (2-1-0)	CS 106
3	CS 213	Data Structure & Algorithm	3 (2-1-0)	MAT 101, CS 106
4	CS 214	Java Programming	6 (4-2-0)	CS 106
Total			15	
YEAR TWO				
No.	Course Code	Course Title	Credits	Prerequisite
Semester 2				
1	CS 216	Web Development II	3 (2-1-0)	CS 212
2	CS 217	API-Web Service	3 (2-1-0)	CS 212
3	CS 218	Mobile App. Dev. for Android	6 (4-2-0)	CS 214
4	CS 219	Oracle	3 (2-1-0)	CS 107
Total			15	
YEAR THREE				
No.	Course Code	Course Title	Credits	Prerequisite
Semester 1				
1	CS 321	Mobile App. Dev. for iOS	6 (4-2-0)	CS 106
2	EE 301	Computer Networking	3 (2-1-0)	CS 111
3	IT 301	Server Administration I	3 (2-1-0)	CS 101
4	STA 308	Data Analytics	3 (2-1-0)	-
Total			15	
YEAR THREE				
No.	Course Code	Course Title	Credits	Prerequisite
Semester 2				
1	CS 326	DevOps	3 (2-1-0)	CS 106, CS 107, CS 214
2	EE 306	Basic Electronic	3 (2-1-0)	-
3	IT 302	Server Administration II	3 (3-0-0)	IT 301
4	IT 307	CCNA	3 (2-1-0)	EE 311
5	PHI 310	Soft Skills in Digital Era	3 (2-1-0)	-
Total			15	

YEAR FOUR				
No.	Course Code	Course Title	Credits	Prerequisite
Semester 1				
1	CS 431	Cloud Technology	3 (2-1-0)	IT 311
2	EE 411	Internet of Things (IoT)	3 (2-1-0)	EE 306
3	IT 411	Project Management	3 (2-1-0)	-
4	MGT 403	Entrepreneurship	3 (3-0-0)	-
5	RES 408	Research Methods in Science and Technology	3 (2-1-0)	STA 308
Total			15	
YEAR FOUR				
No.	Course Code	Course Title	Credits	Prerequisite
Semester 2				
1	IT 416	Cyber Security	3 (2-1-0)	CS 431
2	IT 419	Management Information System	3 (3-0-0)	-
3	ETC 405	Three Elective Courses ⁽¹⁾	9 (6-3-0)	-
	or			
	FPR 405	Final Project Report ⁽²⁾	9 (2-3-4)	RES 408, TGPA ≥ 3.50
Total			15	

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(១) និស្សិតទាំងអស់អាចជ្រើសរើសមុខវិជ្ជា ក្នុងមុខវិជ្ជាជ្រើសរើសទាំង៤: Software Quality Assurance (CS 421); Robotic Process Automation (RPA) (EE 417); Artificial Intelligence (EE 418); និង Digital Marketing (MKT 417) ដើម្បីសិក្សាបញ្ចប់ការសិក្សា។

(២) និស្សិតដែលទទួលបានមធ្យមភាគនៃពិន្ទុនិទ្ទេសសរុប (TGPA) ចាប់ពី៣,៥០ អាចរៀបចំគម្រោងសារណា (ឯកបុគ្គល/ក្រុម) ដើម្បីស្រាវជ្រាវសម្រាប់បញ្ចប់ការសិក្សា។

L (Lecture) = ការសិក្សាក្នុងថ្នាក់ (១ក្រេឌីត = ១៥ម៉ោង); P (Practice) = ការសិក្សាប្រតិបត្តិ (១ក្រេឌីត = ៣០ម៉ោង) និង F (Fieldwork) = ការអនុវត្តជាក់ស្តែង (១ក្រេឌីត = ៤៥ម៉ោង) ។

Elective Courses			
No.	Course Code	Course Title	Credits
Semester 2			
1	CS 421	Software Quality Assurance	3 (2-1-0)
2	EE 417	Robotic Process Automation (RPA)	3 (2-1-0)
3	EE 418	Artificial Intelligence	3 (2-1-0)
4	MKT 417	Digital Marketing	3 (2-1-0)

Foundation Year	Year II	Year III	Year IV	Total
30 Credits	30 Credits	30 Credits	30 Credits	120 Credits