Course Structure

Code/Title of Courses, Credit hours and Semester by semester layout of Courses				
Year One Semester One				
Course №.	**Subject**	**T**	**P**	**C**
CE 141	Basic French I	1	1	1
CE 151	Applied Electricity	2	2	3
CE 155	Technical Drawing	1	3	2
CE 157	Communication Skills I	2	1	2
CE 163	Procedural Programming with C++	1	4	2
CE 167	Basic Mechanics	2	2	3
CE 169	Linear Algebra	2	2	3
CE 171	Introduction to Computer Science and Engineering	2	2	3
	Totals	**13**	**17**	**19**
Year One Semester Two				
Course №.	**Subject**	**T**	**P**	**C**
CE 142	Basic French II	1	1	1
CE 156	Engineering Drawing	2	2	3
CE 158	Communication Skills II	2	1	2
CE 162	Circuit Theory	2	2	3
CE 164	Basic Electronics	2	2	3
CE 166	Calculus	2	2	3
CE 172	Digital Electronics	2	1	2
	Totals	**13**	**11**	**17**
Year Two Semester One				
Course №	**Subject**	**T**	**P**	**C**
CE 251	Literature in English I	1	1	1
CE 261	Object-Oriented Programming with C++	2	2	3
CE 265	Differential Equations	2	2	3
CE 271	Digital Hardware Design	2	1	2
CE 273	Computer Graphics	2	1	2
CE 275	Discrete Mathematics	2	1	2
CE 277	Web Programming	1	4	2
CE 279	Database Systems	1	2	2
	Totals	**13**	**14**	**17**
Year Two Semester Two				

Course №	Subject	T	P	C
CE 252	Literature in English II	1	1	1
CE 256*	Fieldtrip and Technical Report Writing I	1	1	1
CE 260	Mathematical Analysis	2	2	3
CE 270	Microprocessors and Microcontrollers	2	2	3
CE 272	Signals and Systems	2	1	2
CE 274	Programming with Java	1	4	2
CE 276	Software Engineering	2	2	3
CE 278	Embedded System Design I	2	1	2
CE 280	Advanced Database Systems	1	2	2
	Totals	**14**	**16**	**19**

Year Three Semester One

Course №	Subject	T	P	C
CE 361	Probability and Statistics	2	1	2
CE 363	Numerical Analysis	2	1	2
CE 365	Environmental Management	2	2	3
CE 371	Embedded System Design II	2	1	2
CE 373	Data Structure and Algorithms	2	2	3
CE 375	Operating Systems	2	2	3
CE 377	Software Development and Management	2	1	2
CE 379	Information Theory	2	1	2
	Totals	**16**	**11**	**19**

Year Three Semester Two

Course №	Subject	T	P	C
CE 352	Public Relations	2	0	2
CE 356*	Fieldtrip and Technical Report Writing II	0	4	1
CE 372	Information Security	2	1	2
CE 374	Data Communication	2	1	2
CE 376	Computer Architecture and Organisation	2	2	3
CE 378	Simulation and Modelling	2	2	3
CE 380	Programming with C#	1	4	2
CE 382	Human Computer Interaction	2	2	3
	Totals	**13**	**16**	**18**

Year Four Semester One

Course №	Subject	T	P	C
CE 451	Research Methods and Ethics in Science	2	0	2

CE 459	Operations Research	2	2	3
CE 461	Principles of Economics	2	0	2
CE 463	Digital Signals and Image Processing	2	2	3
CE 465	Artificial Intelligence	2	1	2
CE 473	Logic of Computer Science	2	2	3
CE 475	Computer Networks	2	2	3
	Totals	**14**	**10**	**18**

Year Four Semester Two

Course №	Subject	T	P	C
CE 450	Project Work	0	12	4
CE 452	Colloquium/Seminar	1	1	1
CE 454	Business Entrepreneurship	2	0	2
CE 458	Principles of Management	2	0	2
CE 460	Corporate Social Responsibility	2	0	2
CE 464	Robotics	2	1	2
CE 470	Compiler Design	2	2	3
CE 472	Control Systems	2	1	2
Totals		13	17	18

NB: T – Teaching Hours
P – Hours for Practicals, Tutorials, Laboratory Work, Fieldwork, etc.
C – Credit Hours

Search

Brief history

The programme was started in 2009 with the first batch of 24 students admitted to pursue the programmes. The programme has up to date produced 148 graduates who are contributing postitively i the education, health , science, finance and other sectors in Ghana and beyond.

Important Links

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