David University

Computer Science Department

Bachelor Degree Admission Application

Course Details

The Computer Engineering program covers the basic principles of the design and application of computer systems. Students are prepared for careers in the design, analysis and use of hardware, software and systems. Graduates have a clear understanding of the design and applications of computers, as well as the ability to apply this knowledge throughout their professional careers.

Entry Qualifications

1. Senior High School completion or higher
2. Proof of work experience, used for evaluation and approval by the school authorities for entry qualification.

School Hours That Meet Your Time Schedule

In accordance with the National Ministry of Education regulations classes can be planned and scheduled on weekends and National Holidays as not to influence student working hours.

Further Education application requirements and procedures:

1. Completion of application form
2. Presentation of documents of previous educational achievement (transcripts)
3. After completion of formal school registration, student identity card will be issued

Future Prospect:

Graduates in computer engineering can enter a technical graduate degree program, complete a significant hardware/software project, be leaders of a design team in a significant hardware and/or software project, function as an engineer or go on to graduate studies keeping up to date with current engineering practices and technologies.

Curriculum:

Bachelor in Computer Science

PART 1

Semester	Code	Course	Type *	Credits
1	BCS09001	Accounting I	Core	3
1	BCS09002	Economic Analysis I	Basic	3
1	BCS09003	Computation & reasoning	Basic	3
1	BCS09004	Discrete Mathematics Applied	Core	3
1	BCS09005	Introduction to Business	Basic	3
2	BCS09006	Software Engineering	Core	3
2	BCS09007	Calculus	Basic	3
2	BCS09008	System Architecture	Basic	3
2	BCS09009	Accounting II	Core	3
2	BCS09010	Introduction to Statistics	Core	3
Total credits to be completed:				30

PART 2

Semester	Code	Course	Type *	Credits
3	BCS09011	Programming in C++ level I	Core	3
3	BCS09012	Linear Algebra I	Core	3
3	BCS09013	Differential and Integral Calculus I	Core	3
3	BCS09014	Statistics Applied	Core	3
3	BCS09015	Programming in C++ level II	Core	3
4	BCS09016	Object oriented - analysis and design I	Core	3
4	BCS09017	Introduction to networking I	Core	3
4	BCS09018	Data Structures & Algorithms I	Core	3
4	BCS09019	Databases I	Core	3
4	BCS09020	Calculus I	Core	3
Total credits to be completed:				30

PART 3

Semester	Code	Course	Type *	Credits
5	BCS09021	Linear Algebra II applied	Core	3
5	BCS09022	Introduction to networking II	Core	3
5	BCS09023	Data Structures & Algorithms II	Core	3
5	BCS09024	Databases II	Core	3
5	BCS09025	Calculus II	Core	3
6	BCS09026	Object oriented - analysis and design II	Core	3
6	BCS09027	Differential and Integral Calculus II	Core	3
6	BCS09028	Management Information System	Core	3
6	BCS09029	Information Technology Introduction	Core	3
6	BCS09030	OO Programming in C++ level III	Core	3
Total credits to be completed:				30

PART 4

Semester	Code	Course	Type *	Credits
7	BCS09031	Integral Platform with Information Technology	Core	3
7	BCS09032	Electronic and Software Control	Core	3
7	BCS09033	Theory of Automata I	Core	3
7	BCS09034	Introduction to Game Theory I	Core	3
7	BCS09035	Networking II	Core	3
8	BCS09036	Theory of Automata II	Core	3
8	BCS09037	Game Theory II applications	Core	3
8	BCS09038	Electronic Commerce	Core	3
8	BCS09039	CRM Solution Systems and Cloud Computing	Core	3
8	BCS09040	Neural Computing	Core	3
Total credits to be completed:				30

ELECTIVES COURSES

Semester	Code	Course	Type *	Credits
---	BCS09041	Introduction to data mining	Elective	3
---	BCS09042	Formal Methods	Elective	3
---	BCS09043	Software Development	Elective	3
---	BCS09044	System Security	Elective	3
---	BCS09045	Computer Graphics	Elective	3
---	BCS09046	BioInformatics	Elective	3
Total credits to be completed:				18

TOTAL CREDITS TO BE COMPLETED

Semester	Part	Type *	Credits
1 & 2	Part 1	Basic+Core	30
3 & 4	Part 2	Core	30
5 & 6	Part 3	Core	30
7 & 8	Part 4	Core	30
Total credits to be completed:			120