After the advent of 4th generation computers, computer engineering started at developed nations. Internet made it possible to expand to rest of the world. Today, computer engineering is one of the most desired courses of engineering across the globe. It is a discipline that integrates several fields of electrical and electronics engineering and computer science required to develop computer hardware and software. Computer engineers usually have specialization in software design& development and hardware-software integration. They analyze, design, and evaluate computer systems. They often find themselves focusing on problems or challenges which resultin new "state of the art" products, which integrate computer capabilities. They work on the interface between different pieces of hardware and strive to provide new capabilities to existing and new systems or products.
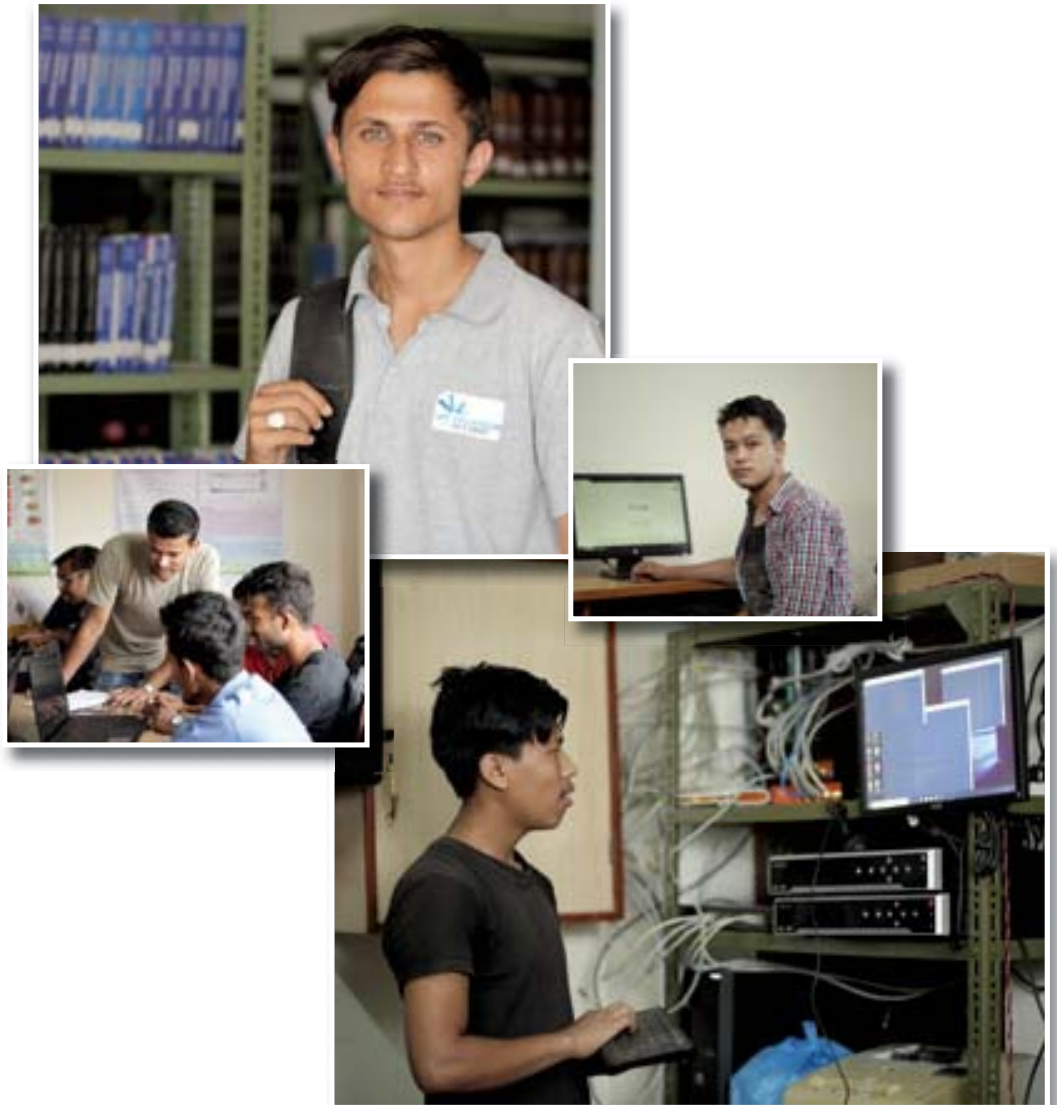
COMPUTER
ENGINEERING

Computer Engineers generally work in teams with other engineers and individuals from other functional areas. According to the U.S. Bureau of Labor Statistics, computer engineers hold about 79,000 jobs. This represents 5.3% of the 1.5 million jobs held by engineers in the U.S.
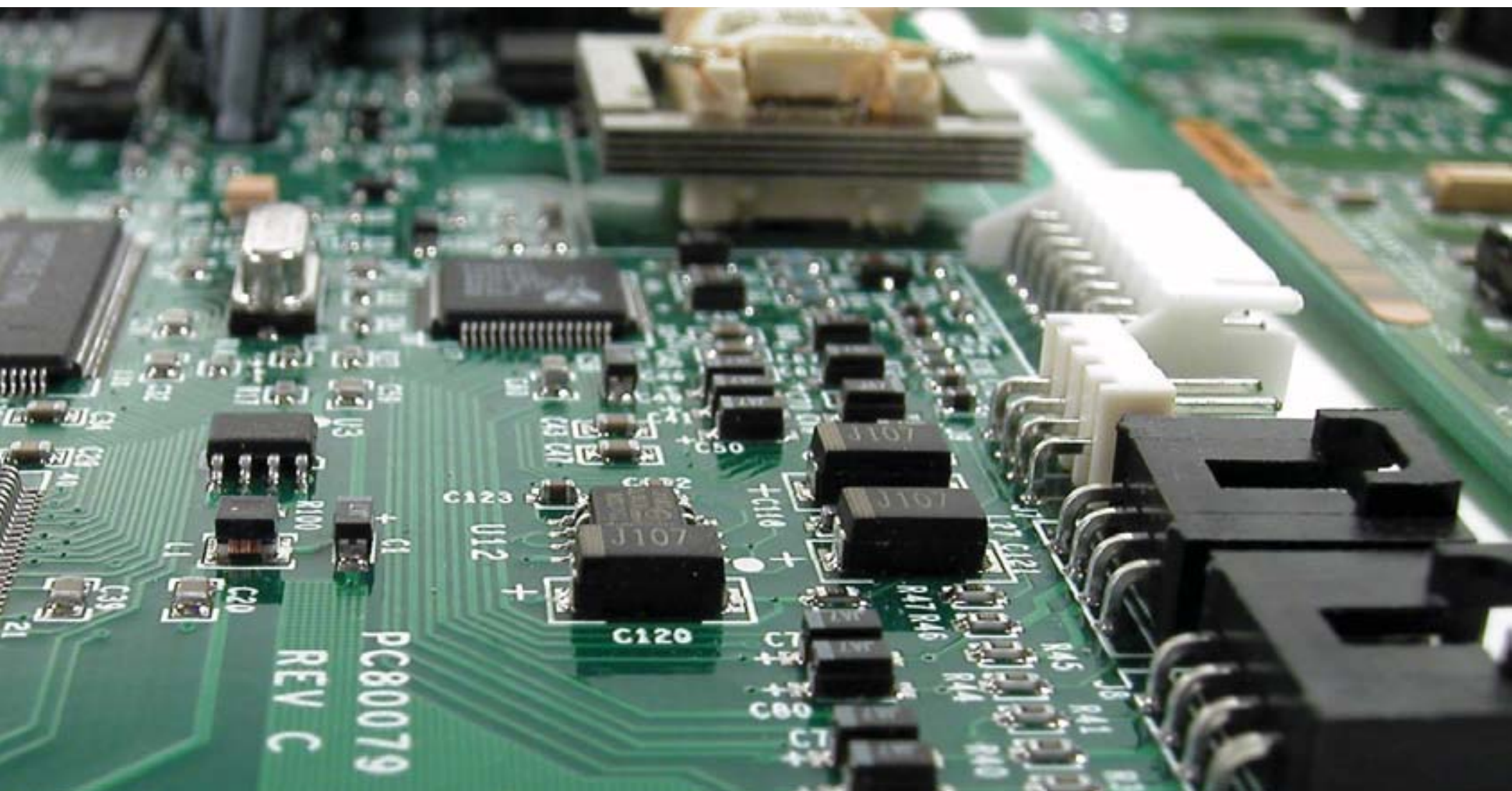
Computer engineers are employed in industry, government, education, software development, and many more.

After graduation you may develop your careen in various fields such as:

- Software
- Networking
- Database
- Web & SEO
- Mobile applications
- Government offices
- Education & Research
- Consulting
- Digital marketing etc.

CAREER OPTIONS

COURSE STRUCTURE

I/I	Engineering Mathematics I		Computer Graphics
	Computer Programming		Advanced Electronics
	Engineering Drawing I		Computer Organization & Architecture
	Engineering Physics		
	Applied Mechanics	III/II	Engineering Economics
	Basic Electrical Engineering		Embedded System
			Signal Analysis
I/II	Engineering Mathematics II		Communication System I
	Engineering Drawing II		Computer Network
	Basic Electronics Engineering		Propagation and Antenna
	Engineering Chemistry		Minor Project
	Fundamental of Thermodynamics	IV/I	ICT Project Management
	Workshop Technology		Organization and Management
			Technology Environment & Society
II/I	Mathematics III		Communication System II
	Object Oriented Programming		Telecommunication
	Electric Circuit Theory		Filter Design
	Electrical Engineering Material		Elective I
	Electronic Devices & Circuits		Project (Part A)
	Digital Logic		
	Electromagnetic	IV/II	ICT Professional Practice
			Wireless Communication
II/II	Electrical Machines		RF and Microwave Engineering
	Numerical Method		Digital Signal processing
	Applied Mathematics		Elective II
	Instrumentation I		Elective III
	Power System		Project (Part B)
	Micro processor		
	Discrete Structure		
III/I	Communication English		
	Probability and Statistics		
	Control System		
	Instrumentation II		

message from the
HOD

Welcome to the Department of Electronics and Computer Engineering

The department is committed to deliver high class teaching-learning environment to produce competent, well-round, and motivated students with cutting-edge technical knowledge. The department has highly experienced and committed faculty members embedded with ample resources. "More than books-More than Syllabus" is what we talk about and deliver in this department. We believe that there should be enough training programs and other academic activities in the college. Such activities enhance student's abilities beyond the horizon of the syllabus and present them to be apt candidates in the job market.

The department strives to motivate students for research in recent technologies for future development as well as build up their sound presentation and communication skills. We also work for developing the entrepreneurship skills of the students. We prepare our students to become well-round and technically competent engineers who can continue learning in an ever-changing and diverse world.

The field of Electrical, Electronic and Computer Engineering encompasses many exciting technologies such as microelectronics, computer systems, mobile communications, information systems, system analysis & design, programming, database management and robotics which have been among the fastest growing and most challenging technologies that enable the development of the modern information-based society. At this time of emerging technologies, the demand for quality manpower in the field of Electronics and Computer Engineering is increasing. If we survey the global statistics, the job market in Electronics and Computer is in its full glory. Even in context of Nepal, there is a pressing need of quality workforce in this sector. If you have your qualities, you will prove yourself a precious diamond in the job market both nationally and internationally. No wonder Electronics and Computer Engineering is challenging and creative profession; you will lead a successful life after completing this degree.

Amit Khanal
Head
Department of Electronics and Computer Engineering