

## Technology at the Beach

The technology faculty at Cal State Long Beach invites you to join our program, which graduates well-prepared professionals, with an excellent education in the fundamentals of Engineering Technology through a combination of theory and laboratory practice. We offer the following two Engineering Technology programs:

The **Computer Engineering Technology** program prepares graduates to pursue careers related to the manufacturing, integration, and support of computer systems. Emphasis is placed on specific job skills required of entry level professionals in the computer industry, including systems analysis and design, data administration, networking, data communications, data acquisition, oral and written communication, and management principles. The graduates of this program should find employment in industry and organizations where a combination of practical hardware and software background is important.

The **Electronics Engineering Technology** program prepares graduates for a position in such industries as aerospace, computers, communications, biomedical, chemical and power. Students are offered a wide range of training in topics such as instrumentation, controls, microprocessors, microelectronics, biomedical electronics, communications, motors and generators, robotics, computer applications, programming and interfacing. Moreover, the program emphasizes written and oral communications skills as well as modern methods of industrial administration and supervision.

Each graduate completes practical on-the-job fieldwork experience, intended to enhance job prospects. Both programs are administered by the Electrical Engineering Department.

You should complete as many of the courses on the right as possible for the CSULB major requirements and also as many general education courses as possible to make maximum use of the excellent facilities at your community college. Your CSULB advisor will assist in getting all your transfer credit. If you have any questions, contact Dr. I-Hung Khoo (email: [ikhoo@csulb.edu](mailto:ikhoo@csulb.edu)). Plan to visit our beautiful campus and to talk to our students. We look forward to seeing you at "The Beach".

CSULB required lower division course (units)	Title	Mt SAC equivalent
MATH 122 (4)	Calculus I	MATH 180
ENGR 101 (1)	Intro. To Engineering Profession	ENGR 1
ENGR 102 (1)	Academic Success Skills	
ENGR 203 (3)	Engineering Problems and Analysis	MATH 181
ENGR 203L (1)	Engineering Problems and Analysis Lab	MATH 181
PHYS 100A (4)	General Physics A	PHYS 2AG
PHYS 100B (4)	General Physics B	PHYS 2BG
ET 101 (1)	Intro. To Engineering Technology	
MAE 172 (2)	Eng. Design Graphics	ENGR 24
ET 202 (3)	Probability and Statistics in Technology	MATH 110
ET 202L (1)	Prob. and Stat. in Technology Lab	
ET 205 (1)	Computer Systems and Programming	CISP 11
ET 205L (1)	Computer Systems and Prog. Lab	CISP 11
ET 250 (2)	Circuit Analysis I	ELEC 50A
ET 250L (1)	Circuit Analysis I Lab	ELEC 50A
ET 252 (2)	Circuit Analysis II	ELEC 50B
ET 252L (1)	Circuit Analysis II Lab	ELEC 50B
ET 255 (2)	Intro. To Digital Electronics	ELEC 56
ET 255L (1)	Intro. To Digital Electronics Lab	ELEC 56
ET 260 (2)	Solid State Electronics I	ELEC 51
ET 260L (1)	Solid State Electronics I Lab	ELEC 51
ET 286 (2)	Intro. To Object-Oriented Prog.	CISP 31
ET 286L (1)	Intro. To Object-Oriented Prog. Lab	CISP 31L
ET 444 (3)	Telecommunications (Upon Petition Only)	ELEC 55