

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 want you to know about two fully accredited 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 to complete 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 (562 985-5082, ihkhoo@csulb.edu) or Dr. R-T "Ray" Wang (562 985-1695, rwang@csulb.edu). Plan to visit our beautiful campus and to talk to our students. We look forward to seeing you at "The Beach".

CSULB Course (units)	Title	Grossmont
MATH 122 (4)	Calculus I	MATH 180
ENGR 101 (1)	Intro. To Engineering Profession	
ENGR 102 (1)	Academic Success Skills	
ENGR 203 (3)	Engineering Problems and Analysis	MATH 280
ENGR 203L (1)	Engineering Problems and Analysis Lab	MATH 280
PHYS 100A (4)	General Physics A	PHYC 130
PHYS 100B (4)	General Physics B	PHYC 131
ET 101 (1)	Intro. To Engineering Profession	
ET 170 (3)	Eng. Drafting and Design	
ET 202 (3)	Probability and Statistics in Technology	MATH 160
ET 202L (1)	Prob. and Stat. in Technology Lab	
ET 205 (1)	Computer Systems and Programming	
ET 205L (1)	Computer Systems and Prog. Lab	
ET 250 (2)	Circuit Analysis I	
ET 250L (1)	Circuit Analysis I Lab	
ET 252 (2)	Circuit Analysis II	
ET 252L (1)	Circuit Analysis II Lab	
ET 255 (2)	Intro. To Digital Electronics	
ET 255L (1)	Intro. To Digital Electronics Lab	
ET 260 (2)	Solid State Electronics I	
ET 260L (1)	Solid State Electronics I Lab	
ET 286 (2)	Intro. To Object-Oriented Prog.	
ET 286L (1)	Intro. To Object-Oriented Prog. Lab	