## 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 <u>Computer Engineering Technology</u> 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 <u>Electronics Engineering Technology</u> 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). Plan to visit our beautiful campus and to talk to our students. We look forward to seeing you at "The Beach".

MATH 122 (4)         Calculus I         MATH 180           ENGR 101 (1)         Intro. To Engineering Profession         ENGR 1           ENGR 102 (1)         Academic Success Skills           ENGR 102 (1)         Academic Success Skills           Engineering Problems and Analysis         MATH 181           ENGR 203 (3)         Engineering Problems and Analysis Lab         MATH 181           ENGR 203L (1)         General Physics A         PHYS 2AG           PHYS 100A (4)         General Physics B         PHYS 2BG           ET 101 (1)         Intro. To Engineering Technology         ENGR 24           ET 202 (3)         Intro. To Engineering Technology         MATH 110           ET 202 (3)         Probability and Statistics in Technology         MATH 110           ET 202 (1)         Prob. and Stat. in Technology Lab         Computer Systems and Programming           ET 205 (1)         Computer Systems and Programming         CISP 11           ET 250 (2)         Circuit Analysis I         ELEC 50A           ET 250 (2)         Circuit Analysis II Lab         ELEC 50B           ET 252 (2)         Circuit Analysis II Lab         ELEC 50B           ET 255 (2)         Intro. To Digital Electronics I Elect 56           ET 250 (2)         Solid State Electronics I ELEC 51	CSULB required lower division course (units)	Title	Mt SAC
ENGR 101 (1)  ENGR 102 (1)  Academic Success Skills  Engineering Problems and Analysis  Engineering Problems and Analysis Lab  Engineering Problems and Analysis B  Engineering Pr			equivalent
ENGR 203 (3)  Engineering Problems and Analysis  ENGR 203L (1)  Engineering Problems and Analysis Lab  Engineering Problems and Analysis Lab  PHYS 100A (4)  General Physics A  PHYS 2AG  PHYS 100B (4)  General Physics B  PHYS 2BG  Intro. To Engineering Technology  MAE 172 (2)  Eng. Design Graphics  ENGR 24  Probability and Statistics in Technology  MATH 110  Prob. and Stat. in Technology Lab  Computer Systems and Programming  ET 205 (1)  Computer Systems and Prog. Lab  ET 250 (2)  Circuit Analysis I  ET 250 (2)  Circuit Analysis I Lab  ELEC 50A  ET 252 (2)  Circuit Analysis II Lab  ELEC 50B  ET 255 (2)  Intro. To Digital Electronics  ELEC 56  ET 260 (2)  Solid State Electronics I  ELEC 51  ET 286 (2)  Intro. To Object-Oriented Prog.  Intro. To Object-Oriented  ET 287 (2) EIEC 51  Intro. To Object-Oriented		Intro. To Engineering	
ENGR 203 (3) Analysis MATH 181  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 ENGR 24  Eng. Design Graphics ENGR 24  Probability and Statistics in Technology Anathra 110  ET 202 (3) Probability and Statistics in Technology Lab Computer Systems and Programming CISP 11  ET 205 (1) Computer Systems and Programming CISP 11  ET 250 (2) Circuit Analysis I ELEC 50A  ET 250 (2) Circuit Analysis I Lab ELEC 50B  ET 252 (2) Circuit Analysis II ELEC 50B  ET 255 (2) Intro. To Digital Electronics I ELEC 56  ET 260 (2) Solid State Electronics I ELEC 51  ET 260 (1) Intro. To Object-Oriented Prog.  Intro. To Object-Oriented CISP 31  Intro. To Object-Oriented CISP 31	ENGR 102 (1)	Academic Success Skills	
ENGR 203L (1)         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         ENGR 24           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         CISP 11           ET 205 (1)         Computer Systems and Programming         CISP 11           ET 205L (1)         Circuit Analysis I         ELEC 50A           ET 250 (2)         Circuit Analysis I Lab         ELEC 50A           ET 252 (2)         Circuit Analysis II         ELEC 50B           ET 252 (2)         Circuit Analysis II Lab         ELEC 50B           ET 255 (2)         Intro. To Digital Electronics         ELEC 56           ET 255 (2)         Intro. To Digital Electronics I ELEC 56         ELEC 56           ET 260 (2)         Solid State Electronics I Lab         ELEC 51           ET 260 (2)         Intro. To Object-Oriented Prog.         CISP 31           Intro. To Object-Oriented         CISP 31	ENGR 203 (3)		MATH 181
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         Cisp 11           ET 205 (1)         Computer Systems and Programming         CISP 11           ET 250 (2)         Circuit Analysis I         ELEC 50A           ET 250 (2)         Circuit Analysis II Lab         ELEC 50B           ET 252 (2)         Circuit Analysis II Lab         ELEC 50B           ET 252 (2)         Circuit Analysis II Lab         ELEC 50B           ET 255 (2)         Intro. To Digital Electronics         ELEC 56           ET 255 (1)         Electronics Lab         ELEC 56           ET 260 (2)         Solid State Electronics I         ELEC 51           ET 260 (1)         Intro. To Object-Oriented Prog.         CISP 31           Intro. To Object-Oriented         CISP 31	ENGR 203L (1)		MATH 181
ET 101 (1)  Intro. To Engineering Technology  MAE 172 (2)  Eng. Design Graphics  ENGR 24  Probability and Statistics in Technology  MATH 110  Prob. and Stat. in Technology Lab  Computer Systems and Programming  ET 205L (1)  Computer Systems and Prog. Lab  CISP 11  ET 250 (2)  Circuit Analysis I  ET 250 (2)  Circuit Analysis I Lab  ELEC 50A  ET 252 (2)  Circuit Analysis II  ELEC 50B  ET 255L (1)  Circuit Analysis II Lab  ELEC 50B  ET 255L (2)  Intro. To Digital Electronics  ELEC 56  ET 260 (2)  Solid State Electronics I  ELEC 51  ET 286 (2)  Intro. To Object-Oriented  Prog.  CISP 31  Intro. To Object-Oriented	PHYS 100A (4)	General Physics A	PHYS 2AG
ET 101 (1)         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         CISP 11           ET 205 (1)         Computer Systems and Programming         CISP 11           ET 205L (1)         Circuit Analysis I         ELEC 50A           ET 250 (2)         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)         Electronics Lab         ELEC 56           ET 260 (2)         Solid State Electronics I ELEC 51           ET 260L (1)         Intro. To Object-Oriented Prog.         CISP 31           Intro. To Object-Oriented         CISP 31	PHYS 100B (4)	General Physics B	PHYS 2BG
Probability and Statistics in Technology  Prob. and Stat. in Technology Lab  ET 202L (1)  ET 205 (1)  Computer Systems and Programming  CISP 11  Computer Systems and Prog. Lab  Circuit Analysis I  ET 250 (2)  Circuit Analysis I Lab  ET 250L (1)  Circuit Analysis II  ET 252 (2)  Circuit Analysis II  ELEC 50A  ET 252L (1)  Circuit Analysis II Lab  ELEC 50B  ET 255L (1)  Circuit Analysis II Lab  ELEC 50B  ET 255L (1)  Circuit Analysis II Lab  ELEC 50B  ET 255L (1)  ET 260 (2)  Solid State Electronics I  ELEC 51  ET 260L (1)  Intro. To Object-Oriented Prog.  Intro. To Object-Oriented	ET 101 (1)		
ET 202 (3)         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 II Lab         ELEC 50B           ET 252 (2)         Circuit Analysis II Lab         ELEC 50B           ET 252L (1)         Circuit Analysis II Lab         ELEC 50B           ET 255 (2)         Intro. To Digital Electronics         ELEC 56           ET 255L (1)         Electronics Lab         ELEC 56           ET 260 (2)         Solid State Electronics I Lab         ELEC 51           ET 260L (1)         Intro. To Object-Oriented Prog.         CISP 31           Intro. To Object-Oriented         CISP 31	MAE 172 (2)	Eng. Design Graphics	ENGR 24
ET 202L (1)         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 252L (1)         Circuit Analysis II Lab           ET 255 (2)         Intro. To Digital Electronics           ET 255L (1)         Elect 56           Intro. To Digital Electronics Lab         ELEC 56           ET 260 (2)         Solid State Electronics I ELEC 51           Solid State Electronics I Lab         ELEC 51           ET 286 (2)         Intro. To Object-Oriented Prog.         CISP 31	ET 202 (3)		MATH 110
ET 205 (1)         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 50B           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)         Electronics Lab         ELEC 56           ET 260 (2)         Solid State Electronics I         ELEC 51           ET 260L (1)         Intro. To Object-Oriented Prog.         CISP 31           Intro. To Object-Oriented         CISP 31	ET 202L (1)		
ET 205L (1)         Prog. Lab         CISP 11           ET 250 (2)         Circuit Analysis I         ELEC 50A           ET 250L (1)         Circuit Analysis I Lab         ELEC 50B           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)         Electronics Lab         ELEC 56           ET 260 (2)         Solid State Electronics I Lab         ELEC 51           ET 260L (1)         Intro. To Object-Oriented Prog.         CISP 31           Intro. To Object-Oriented         CISP 31	ET 205 (1)		CISP 11
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 255L (1)         Intro. To Digital Electronics         ELEC 56           ET 255L (1)         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           Intro. To Object-Oriented         CISP 31	ET 205L (1)		CISP 11
ET 252 (2)  Circuit Analysis II  ELEC 50B  ET 252L (1)  Circuit Analysis II Lab  ELEC 50B  Intro. To Digital Electronics  ET 255 (2)  ET 255L (1)  ET 260 (2)  Solid State Electronics I  ET 260L (1)  ET 260L (1)  ET 286 (2)  Intro. To Object-Oriented Prog.  CISP 31	ET 250 (2)	Circuit Analysis I	ELEC 50A
ET 252L (1)  Circuit Analysis II Lab  ELEC 50B  Intro. To Digital Electronics  ET 255 (2)  ET 255 (2)  Intro. To Digital Electronics Lab  ELEC 56  ET 260 (2)  Solid State Electronics I  ET 260L (1)  ET 260L (1)  Intro. To Object-Oriented Prog.  CISP 31	ET 250L (1)	Circuit Analysis I Lab	ELEC 50A
ET 255 (2)  Intro. To Digital Electronics  ET 255L (1)  ET 255L (1)  ET 260 (2)  Solid State Electronics I  ET 260L (1)  ET 260L (1)  ET 286 (2)  Intro. To Digital ELEC 56  ELEC 56  ELEC 51  ELEC 51  CISP 31  Intro. To Object-Oriented  Intro. To Object-Oriented	ET 252 (2)	Circuit Analysis II	ELEC 50B
ET 255 (2)   Electronics   ELEC 56     ET 255L (1)   Electronics Lab   ELEC 56     ET 260 (2)   Solid State Electronics I   ELEC 51     ET 260L (1)   Lab   ELEC 51     ET 286 (2)   Intro. To Object-Oriented   Prog.   CISP 31     Intro. To Object-Oriented   CISP 31     Intro. To Objec	ET 252L (1)	Circuit Analysis II Lab	ELEC 50B
ET 255L (1)         Electronics Lab         ELEC 56           ET 260 (2)         Solid State Electronics I         ELEC 51           Solid State Electronics I         ELEC 51           Lab         ELEC 51           Intro. To Object-Oriented Prog.         CISP 31           Intro. To Object-Oriented         CISP 31	ET 255 (2)		ELEC 56
ET 260L (1)  Solid State Electronics I Lab  Intro. To Object-Oriented Prog.  CISP 31  Intro. To Object-Oriented	ET 255L (1)		ELEC 56
ET 260L (1)  Lab  Intro. To Object-Oriented Prog.  CISP 31  Intro. To Object-Oriented	ET 260 (2)	Solid State Electronics I	ELEC 51
ET 286 (2) Prog. CISP 31  Intro. To Object-Oriented	ET 260L (1)		ELEC 51
	ET 286 (2)		CISP 31
Tolocommunications	ET 286L (1)	Prog. Lab	CISP 31L

ET 444 (3) Telecommunications (Upon Petition Only)