LONG BEACH CITY COLLEGE 2009-2010 CERTIFICATE AND DEGREE PROGRAMS

Long Beach City College provides students with an instructional program in higher education that may culminate in a Certificate of Achievement, a Certificate of Accomplishment, an Associate in Arts or an Associate in Science Degree or appropriate preparation for transfer to a four-year college or university.

Certificate (Achievement or Accomplishment) and/or Associate Degrees are offered in the fields of concentration on the following list(s). The requirements for each field of concentration are listed on the curriculum guides available in the Counseling Center at the Liberal Arts and Pacific Coast campuses as well as the LBCC Catalog.

In addition, a Curriculum Guide may be developed to meet the educational need of individual students that would include two or more appropriately related subject areas. Such an alternate plan requires the approval of the appropriate instructional dean and the Office of School and College Relations.
The notations used in the following table are:

T = **Transfer Preparation** – College courses in general education and the major taken during the freshman and sophomore years to prepare for transfer to a university (i.e., CSU-Long Beach, Chapman, UC-Irvine, USC, etc.).
A = **Associate Degree** – Two-year college degree awarded by Long Beach City College which includes general education courses and a major.
ACH = **Certificate of Achievement** – One to two year programs in occupational/technical areas at Long Beach City College which provide training in job skills and employment opportunities.

Long Beach City College also offers Certificates of Accomplishment. A Certificate of Accomplishment certifies a competency in a given area and requires less than 18 units. A list of Certificates of Accomplishment is on the reverse side.

T	A	ACH	CERTIFICATES/DEGREES	T	A	ACH	CERTIFICATES/DEGREES	T	A	ACH	CERTIFICATES/DEGREES
X	X	X	Accounting		X	X	Child Dev. – School Age Child Care		X	X	Floral Design
	X	X	Accounting Clerk		X	X	Child/Adult Dev. – Special Education Assist.	X	X	X	Foreign Languages
X	X	X	Administration of Justice	X	X	X	Computer Applications Specialist		X	X	Horticulture
	X	X	Administrative Assistant	X	X	X	Computer Prog (Bus. Info Systems & Comp. Science)	X	X	X	Human Services
	X	X	Advanced Transportation Technology: Alternate Fuels		X	X	Culinary Arts		X	X	Human Services – Alcohol and Drug Studies
					X	X	Customer Service Representative	X	X	X	Interior Design
	X	X	Advanced Transportation Technology: Electric Vehicles	X	X		Dance	X	X	X	Interior Design: Technical Skills
					X	X	Data Entry (Office Technologies)	X	X	X	Journalism: Newspaper/Magazine
	X	X	Air Conditioning/ Refrigeration Theory & Practical Experience		X	X	Desktop/Media Publishing		X	X	Legal Secretary
					X	X	Diagnostic Medical Imaging (Rad Tech)		X		Liberal Arts
	X	X	Air Conditioning/Refrigeration – Theory Only		X	X	Diesel Mechanics		X	X	Library Technician
X	X	X	Architectural Design (Transfer)		X	X	Dietetics Program	X	X	X	Marketing
X	X	X	Art		X	X	Drafting – Architectural (Occupational)	X	X		Mathematics
	X	X	Auto Body Repair		X	X	Drafting – Mechanical & Design (Occupational Program)	X	X	X	Medical Asst: Clinical and/or Admin. Certificate
	X	X	Auto Mechanics		X	X	Electrical Technology		X	X	Medical Transcription
	X	X	Aviation Maintenance		X	X	Engineering		X		Music
	X	X	Baking	X	X		English		X	X	Commercial Music: Composer/Arranger
X	X		Biological Sciences	X	X	X	Family Consumer Studies	X	X	X	Commercial Music: Professional Instrumentalist
X	X	X	Business Administration	X	X	X	Fashion Design	X	X	X	Commercial Music: Professional Technology
X	X	X	Business General		X	X	Fashion Design – Asst Designer	X	X	X	Commercial Music: Professional Vocalist
X	X	X	Business International			X	Fashion Design – Patternmaker	X	X	X	Commercial Music: Recording Engineer
X	X	X	Business Management			X	Fashion Design – Samplemaker	X	X	X	Commercial Music: Record Producer
	X	X	Carpentry Technology /Trade Home Remodel & Repair	X	X	X	Fashion Merchandising	X	X	X	Commercial Music: Songwriter
X	X	X	Child Development	X	X		Film	X	X	X	Nursing – RN – Associate Degree
					X		Fine Arts	X	X	X	Nursing – LVN to RN Career Ladder
	X	X	Child Development – Early Childhood Ed.	X	X	X	Fire Science		X	X	Nursing – Vocational (LVN)

T	A	ACH	CERTIFICATES/DEGREES	T	A	ACH	CERTIFICATES/DEGREES	T	A	ACH	CERTIFICATES/DEGREES
	X	X	Office Assistant	X	X	X	Radio/TV - Performance		X		Theatre Arts: General, Acting, & Technical Emphasis
	X	X	Photography			X	Radio/TV - Producer		X	X	Tool Design/Manufacture Technology
X		X	Photojournalism	X	X	X	Real Estate		X	X	Welding Technology
X	X		Physical Education/Recreation		X	X	Retail Management, Food Industry Emphasis			X	Word Processing Specialist
X	X		Physical Sciences	X	X	X	Sheet Metal				
X	X	X	Radio/TV – Broadcast News	X	X		Social Sciences				
X	X	X	Radio/TV – Multimedia Production	X	X		Speech Communication				

Long Beach City College also offers Certificates of Accomplishment. A Certificate of Accomplishment certifies a competency in a given area and requires less than 18 units. Listed below is a list of Certificates as well as a list of curriculum guides that provide detailed information required to obtain a Certificate of Accomplishment.

CERTIFICATES OF ACCOMPLISHMENT

Name of Certificate	Curriculum Guide	Name of Certificate	Curriculum Guide
3D Studio MAX – Animation Technician	Drafting, Mechanical Design	Basic Computing and Internet Literacy	Administrative Assistant, Computer Applications Specialist, Office Assistant
3D Studio MAX – Modeling Technician	Drafting, Mechanical Design	Basic Customer Service	Customer Service Representative
3D Studio MAX – Texture and Lighting Technician	Drafting, Mechanical Design	Basic Data Entry	Office Assistant, Word Processing
3D Studio MAX – Technical Design Animator	Drafting, Mechanical Design	Basic Legal Office Procedures	Administrative Assistant, Legal Secretary, Office Assistant
Activity/Recreation Leadership Training	Human Services	Basic Office Computer Skills	Office Assistant, Word Processing
Advanced Transportation Technology – Light Medium Duty Alternate Fuels	Advanced Transportation Technology – Alternate Fuels, Auto Mechanics	Basic Office Skills	Administrative Assistant, Legal Secretary, Office Assistant
Advanced Transportation Technology – Electric Vehicle	Advanced Transportation Technology – Electric Vehicle, Auto Mechanics	Basic Word Processing	Medical Transcription, Office Assistant, Word Processing
Advanced Transportation Technology – Heavy Duty Alternate Fuels	Advanced Transportation Technology – Alternate Fuels, Auto Mechanics	CAD Professional	Drafting, Mechanical Design
Application Developer	Computer Business Information Systems/Computer Science	Carpenter Trainee	Carpentry
AutoCAD I, Fundamentals	Drafting, Mechanical Design	Chemical Dependency	Human Services
AutoCAD II, Advanced Concepts	Drafting, Mechanical Design	Child Development Permit Specialization-Child Behavior	Child Development: Early Childhood Education
AutoCAD III, Visualization, Rendering, Animation	Drafting, Mechanical Design	Child Development Permit Specialization-Curriculum in ECE	Child Development: Early Childhood Education
Aviation Operations	Aeronautic Program	Child Development Permit Specialization-Child Health & Safety	Child Development: Early Childhood Education
Baking and Pastry 1	Baking, Culinary Arts	Child Development Permit Specialization-Children w/ Exceptional Needs	Child Development: Early Childhood Education
Baking and Pastry 2	Baking, Culinary Arts	Child Development Permit Specialization-Family Child Care	Child Development: Early Childhood Education
Basic Business Communication	Administrative Assistant, Word Processing	Child Development Permit Specialization-Infant/Toddler	Child Development: Early Childhood Education

Name of Certificate	Curriculum Guide	Name of Certificate	Curriculum Guide
Child Development Permit Specialization-Early Literacy	Child Development: Early Childhood Education	Microsoft Windows System Administrator	Computer Business Information Systems/Computer Science
Child Development Permit Specialization-School Age	Child Development: Early Childhood Education	Microsoft Word	Administrative Assistant, Computer Application Specialist, Customer Service Representative, Legal Secretary, Office Assistant, Word Processing
Child Development—Early Childhood Education-Associate Teacher	Child Development: Early Childhood Education	Network Cabling Specialist	Electrical
Child Development—Early Childhood Education-Assistant Teacher	Child Development: Early Childhood Education	Network Installation	Electrical
Computer Tech A+ Preparation	Computer Business Information Systems/Computer Science	Network Installation and Design	Electrical
Commercial Cake Decorating	Baking, Culinary Arts	Nutrition for Culinary Arts	Culinary Arts
Commercial Formal Buffet	Culinary Arts	Oracle Developer (DBA) Associate	Computer Business Information Systems/Computer Science
Criminal Forensics	Administration of Justice	Oracle Developer Associate	Computer Business Information Systems/Computer Science
Emergency Medical Technician	Medical Assistant	Oracle Developer Professional	Computer Business Information Systems/Computer Science
Family Development	Early Childhood Education	Phlebotomy	Medical Assistant
Food Preparation 1	Baking, Culinary Arts	Pre-apprenticeship Training	Carpentry
Food Preparation 2	Culinary Arts	Professional Gourmet Cooking	Culinary Arts
Food Preparation 3	Culinary Arts	ProTools Assistant	Recording Engineer, Record Producer
Food Service Sanitation	Baking, Culinary Arts	Quick Service Tech – Brake Inspections	Auto Mechanics
Health Unit Coordinator	Medical Assistant	Quick Service Tech – Lubrication Service	Auto Mechanics
Home Remodeling & Repair Technician	Carpentry	Quick Service Tech – Tire Service	Auto Mechanics
Hotel, Restaurant: Institutional Cooking 1	Culinary Arts	Radiologic Technology Fluoroscopy	Diagnostic Medical Imaging
Hotel, Restaurant: Institutional Cooking 2	Culinary Arts	Real Estate-Appraisal	Real Estate
Information Security	Computer Business Information Systems/Computer Science	Real Estate-Lending	Real Estate
Introduction to Baking	Baking, Culinary Arts	Real Estate-Property Management	Real Estate
Introduction to Chocolate	Culinary Arts	Real Estate-Salesperson	Real Estate
Java Web Programmer	Computer Business Information Systems/Computer Science	Studio Assistant	Recording Engineer, Record Producer
Magnetic Resonance Imaging Technology	Diagnostic Medical Imaging	Traffic Signals Systems 1	Electrical Technology
Mammography	Diagnostic Medical Imaging	Vocational Media – Commercials	Theatre Arts
Medical Insurance Billing	Medical Assistant	Vocational Media -- Film Acting	Theatre Arts
Microsoft Access	Administrative Assistant, Computer Application specialist, Data Entry	Vocational Media – Voice-Over	Theatre Arts
Microsoft Excel	Administrative Assistant, Computer Application Specialist, Customer Service Representative, Office Assistant, Word Processing	Web Construction	Computer Business Information Systems/Computer Science
Microsoft Office	Administrative Assistant, Computer Applications Special list, Customer Service Representative, Office Assistant	Windows 2000 Network Administrator	Computer Business Information Systems/Computer Science

CERTIFICATE OF COMPLETION

NONCREDIT CERTIFICATE OF COMPLETION

The NONCREDIT CERTIFICATE OF COMPLETION is based on hours of instruction rather than on credit. The Noncredit Certificate of Completion was created in response to Senate Bill 361 (SB 361), which encourages California Community Colleges to offer certificates leading to improved employability or job opportunities.

Courses leading to a Noncredit Certificate of Completion are in the area of Career Development or College Preparation and must be part of one of the following: (1) a short-term vocational program with high employment potential; (2) a sequence of courses in (A) elementary or secondary basic skills including sequences of courses leading to a high school diploma; (B) workforce preparation in the basic skills of speaking, listening, reading, writing, mathematics, decision-making, and problem-solving skills that are necessary to participate in job-specific technical training; or (C) English as a Second Language (ESL) or Vocational English as a Second Language (VESL).

CERTIFICATES OF COMPLETION

Name of Certificate	Curriculum Guide	Name of Certificate	Curriculum Guide
Basic Skills for the Workplace (BAE)	College and Workforce Preparation	English for Every Day (ESL)	College and Workforce Preparation