LONG BEACH CITY COLLEGE
ADDENDUM TO CATALOG 2014 - 2015
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ACCURACY STATEMET

Long Beach City College has made every reasonable effort to assure the accuracy of the information in this Catalog Addendum. Students and others should note that policies, rules, procedures, and regulations change, and that these changes may alter the information in this publication. Long Beach City College reserves the right to add, amend, or repeal any of their rules, regulations, policies, and procedures. This Catalog is not intended to be a complete statement of policies, rules, procedures, and regulations. More current or complete information may be obtained from the appropriate administrative office and the online version of this Catalog Addendum.

The contents of this addendum are in addition to the content specified in the 2014-2015 Catalog, and are effective during catalog year 2014-2015.

http://www.lbcc.edu/catalog/

DISCLAIMER

The Catalog Addendum does not constitute a contract or terms of a contract between the student and the College.

This Catalog Addendum is available in alternate formats to qualified individuals with disabilities. For more information, contact one of the Disabled Students Programs and Services (DSP&S) offices. LAC Campus: (562) 938-4558, PCC Campus: (562) 938-3921, TTY: (562) 938-4833. http://www.lbcc.edu/dsps/

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Associate Degree for Transfer

Student Transfer Achievement Reform Act
California Community Colleges are now offering associate degrees for transfer to the CSU. These may include Associate in Arts (AA-T) or Associate in Science (AS-T) degrees. These degrees are designed to provide a clear pathway to a CSU major and baccalaureate degree. California Community College students who are awarded an AA-T or AS-T degree are guaranteed admission with junior standing somewhere in the CSU system and given priority admission consideration to their local CSU campus or to a program that is deemed similar to their community college major. This priority does not guarantee admission to specific majors or campuses. Students who have been awarded an AA-T or AS-T are able to complete their remaining requirements for the 120-unit baccalaureate degree within 60 semester or 90 quarter units.

To view the most current list of Long Beach City College Associate Degrees for Transfer, please go to http://www.lbcc.edu/Articulation/guides.cfm. Current and prospective community college students are encouraged to meet with a counselor to review their options for transfer and to develop an educational plan that best meets their goals and needs.

GEOGRAPHY
Associate in Arts for Transfer Degree

Mission Statement: The Associate degree for Transfer in Geography is intended for students who plan to complete a baccalaureate degree in a geosciences major at a CSU campus. The geography major provides students with a comprehensive knowledge of the theories and methods of geography. Geography is a unique spatial science that synthesizes interactions between human society and physical environments to develop a broad understanding of the distribution and organization of both physical and human landscapes and environments. Geography students develop strong analytical and communication skills, including methods of geographic observation, data collection, analysis, mapping, modeling and reporting of findings.

Outcomes:
- Apply scientific research methods and technologies to observe, collect and analyze geographic data and information regarding human-environment interactions.
- Communicate an understanding of the importance of geographical processes and spatial interactions.

REQUIRED COURSES	UNITS
PGEOG 1 Physical Geography	3
GEOG 2 Cultural Geography	3
Subtotal Units	**6**

In Addition, select two to three courses (6-9 units) from LIST A:
LIST A
PGEOG 1L Physical Geography Lab   1.5
GEOG 40 World Regional Geography   3
GEOG 48 Geography of California   3
GEOG 10 Intro. to Geographic Information Systems   3
PGEOG 2 Weather and Climate   3
GEOG 15F Field Methods in Geography   2
Subtotal Units   **6**

In Addition, select two courses (6 units min) from LIST B:
LIST B
Any **LIST A** course not used above
GEOG 5 The Global Economy   3
ECON 5 The Global Economy   3
STAT 1/1H Elementary Statistics/ Honors   3
POLSC 2 Comparative Government   3
ANTHR 2/2H Cultural Anthropology/Honors   3
GEOL 2 General Physical Geology   3
Subtotal Units   **6**

TOTAL UNITS   **18-21**

Associate Degrees and Certificates

The following Associate Degree and Certificate programs are offered by Long Beach City College. Please note that the information presented in this section for each of the LBCC Curriculum Guides represents only a portion of the complete LBCC Curriculum Guide available on the LBCC website. The information selected for the catalog, is comprised of the core curriculum most useful when registering for courses in the major. All other pertinent information regarding graduation proficiencies and general education is available on the curriculum guides posted on the LBCC website. **The information contained herein is subject to change without notice and/or may include clerical errors due to printing deadlines or format restrictions.** If you become aware of inconsistencies between the information provided in this catalog addendum and the information provided in other sources, please contact the appropriate department office for the specific majors. Your observations will help us provide the most current and accurate information possible.

Total units listed do not include units related to general education requirements.

A complete list of Curriculum guides is available at the following website:

http://www.lbcc.edu/Articulation/guides.cfm.

COMPUTER TECHNOLOGY
Associate in Science

Mission Statement: Prepare students for careers in a variety of Computer Technology related fields and enhance skills for those who are currently employed in that area.

Outcomes:
- To prepare students for transfer to baccalaureate-granting institutions.
- Provide educational and career opportunities in the computer technology field.

COMPUTER TECHNOLOGY REQUIRED COURSES:	UNITS
COSA 50 Introduction to IT Concepts & Application	4
COSN 5 Computer Technician Hardware Basics	4
COSP 7 Business Programming Logic & Design	4
COSP 8 Visual BASIC Programming	4
COSW 20 Dynamic HTML Web Construction	4
†CS 21A Java: Computer Science 1	4
†STAT 1/1H Elementary Statistics	3
†MATH 45 College Algebra **or**	4
†MATH 50 Precalculus Math	5
TOTAL UNITS	**31-32**

DATABASE MANAGEMENT
Associate in Science

Mission Statement: This program will provide students with a strong foundation in the design and management of database systems in a business environment. In-depth practice of Structured Query Language (SQL) is provided in the context of business-related case studies. The Database Management program covers advanced database concepts, including database administration, database technology, database web programming and selection and acquisition of database management systems. Supporting courses allow students to gain a thorough understanding of necessary business communication skills, operating systems, programming logic and system design.

Outcomes:
- Analyze the data needs of an organization or company, and determine how to best organize and store the data in logical, secure and accessible structures.
- Design web applications to access and manipulate data using MS Access, MySQL, MS SQL Server and PHP.
- Understand the roles and responsibilities of a database administrator, and how to diagnose and troubleshoot systems.

DATABASE MANAGEMENT COURSES:	UNITS
BCOM 15 Business Communications **or**	3
BCOM 20 Business Writing	3
COSA 25 Microsoft Access for Windows	4
COSA 50 Introduction to IT Concepts & Application	4
COSN 205 UNIX/LINUX Fundamentals	4
COSP 7 Business Programming Logic & Design	4
COSP 36 System Analysis and Design	4
COSP 38 Database Concepts	4
COSP 238 Advanced Database Concepts	3
COSW 220 Database Programming with PHP/MySQL	4
PHIL 12 Introduction to Logic	3
TOTAL UNITS	**37**

CERTIFICATES OF ACCOMPLISHMENT:

Basic Databases Certificate

REQUIRED COURSE	UNITS
COSA 25 Microsoft Access for Windows	4
BCOM 15 Business Communications **or**	3
BCOM 20 Business Writing	3
TOTAL UNITS	**7**

Additional Requirement: Minimum GPA of 3.0 or higher in certificate courses.

Cyber Security Certificate

REQUIRED COURSE	UNITS
COSN 10 Networking Fundamentals	4
COSS 270 Information Security Fundamentals	1
COSS 271 Network Security Fundamentals	3
COSS 272 Computer Forensics and Investigation	4
COSS 273 Ethical Hacking and Countermeasures	4
TOTAL UNITS	**16**

Computer Hardware Technician Certificate

REQUIRED COURSE	UNITS
COSN 3 Operating Systems: Software and Hardware	4
COSN 5 Computer Technician Hardware Basics	4
TOTAL UNITS	**8**

Business Digital Literacy Certificate

REQUIRED COURSE	UNITS
COSA 1 Computer Information Competency	1
TOTAL UNITS	**1**