



San Bernardino
Valley College

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Catalog 2015-16

Your future starts here.



ADDENDUM

Our Mission

San Bernardino Valley College maintains a culture of continuous improvement and a commitment to provide high-quality education, innovative instruction, and services to a diverse community of learners. Its mission is to prepare students for transfer to four-year universities, to enter the workforce by earning applied degrees and certificates, to foster economic growth and global competitiveness through workforce development, and to improve the quality of life in the Inland Empire and beyond.



2015/2016 Catalog Corrections

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ARCHITECTURE and ENVIRONMENTAL DESIGN

ARCHITECTURE & ENVIRONMENTAL DESIGN

ASSOCIATE OF ARTS DEGREE (AA)

Correction to program name: From Architectural Design to Architecture & Environmental Design

To graduate with a specialization in Architectural Design Studies, a student must complete the following courses in addition to the general breadth requirements for an Associate's Degree. For transfer students, these courses will provide students with the tools needed to construct a portfolio that will be required to transfer into Architecture Programs at 4-year institutions. Along with a successful portfolio, these courses should also constitute the first two years of an Architecture Program. In addition, these courses should help students interested in transferring to 4-year institutions as Environmental Design, Landscape Architecture, Interior Design and Urban Planning majors.

REQUIRED COURSES:		UNITS
ARCH 100	Environmental Design I	3
ARCH 101	Environmental Design II	3
ARCH 145	History of Architecture: Ancient to Gothic	3
ARCH 146	History of Architecture: Renaissance to Modern	3
ARCH 200	Architectural Design I	4
ARCH 201	Architectural Design II	4
ARCH 220	Architectural CAD I	4
ARCH 250	Materials and Construction	4
ARCH 270	Portfolio Design	1
PHYSIC 150A	General Physics	5-6
	Or PHYSIC 200	
ART 132X4	Life Drawing	3
TOTAL UNITS:		22

RECOMMENDED COURSES:		UNITS
<i>Students are encouraged to take these courses as part of their General Education program:</i>		
CS 110	Fundamentals of Computer Science	3
ART 120	Two-Dimensional Design	3
ART 145	Graphic Design	3
MATH 093	Plane Geometry	3
MATH 103	Trigonometry	4

**COMPUTER AIDED DRAFTING TECHNICIAN
CERTIFICATE**

Correction to MATH 093 From 3 to 4 units

This certificate is designed to prepare students for entry-level work in the fields of architecture, urban planning, interior design, electronics design and manufacturing design. Computer Aided Drafting, CAD, is the primary tool used to produce and present work completed in these fields. Students completing this certificate will most likely work for a licensed architect, structural engineer, mechanical engineer or for local, state or federal governmental agencies or urban planning commissions.

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

REQUIRED COURSES:		UNITS
ARCH 120	Introduction to Computer-Aided Drafting	4
ARCH 146	History of Architecture: Renaissance to Modern	3
ARCH 220	Architectural CAD I	4
ARCH 221	Architectural CAD II	4
ARCH 250	Materials and Construction	4
ART 132X4	Life Drawing	3
ENGL 015	Preparation for College Writing	4
MATH 093	Plane Geometry	4
TOTAL UNITS:		30

RECOMMENDED COURSES:		UNITS
<i>Students are encouraged, but not required, to enroll in the following:</i>		
CS 110	Fundamental of Computer Science	3
INSPEC 010A	Fundamentals of Construction Inspection I	3
INSPEC 011A	Fundamentals of Construction Inspection II	3
INSPEC 012A	Fundamentals of Construction Inspection III	3
<i>This is a Gainful Employment Program</i>		

BUSINESS ADMINISTRATION

BUSINESS ADMINISTRATION

ASSOCIATE OF ARTS TRANSFER DEGREE (AS-T)

Correction to major total units, From 27-28 to 27-29

The Associate in Art for Transfer (AS-T) in Business Administration provides opportunities for students through the Student Transfer Achievement Reform Act (SB 1440). The law states that students will have guaranteed admission to a California State University (CSU) campus upon successful completion of the specified program requirements. This degree is designed to provide students with the common core of lower division courses required to transfer and pursue a baccalaureate degree in Business Administration. This includes business degrees with options such as accounting, finance, human resources management, international business, management, operations management, and marketing.

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete a minimum of 60 required semester units of CSU-transferable coursework with a minimum GPA of 2.0. Students transferring to a CSU campus that does not accept the AA-T or AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is a designated "high unit" major). This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

To earn this AS-T degree, students must complete the following Associate Degree for Transfer requirements:

- 60 semester or 90 quarter CSU-transferable units
- the California State University-General Education Breadth pattern (CSU GE-Breadth); OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern.
- a minimum of 18 semester or 27 quarter units in the major or area of emphasis as determined by the community college district
- obtainment of a minimum grade point average (GPA) of 2.0
- earn a grade of C or better in all courses required for the major or area of emphasis.

Students planning to transfer to a four-year institution and major in Business Administration should consult with a counselor regarding the transfer process and lower division requirements.

REQUIRED COURSES:		UNITS
ACCT 200	Financial Accounting	4
ACCT 201	Managerial Accounting	4
ECON 200 *	Principles of Macroeconomics or	3
ECON 200H *	Principles of Macroeconomics - Honors	3
ECON 201 *	Principles of Microeconomics or	3
ECON 201H *	Principles of Microeconomics - Honors	3
BUSAD 210	Business Law or	3
BUSAD 211	The Legal Environment of Business	3
LIST A (select one): 4 units		UNITS
ECON 208 *	Business and Economics Statistics	4
MATH 108 *	Introduction to Probability and Statistics	4
CHOOSE TWO COURSES FROM LIST B OR ANY COURSE NOT USED FROM LIST A:		UNITS
LIST B: 6-7 units		
BUSAD 100	Introduction to Business	3
CIT 101	Introduction to Computer Literacy	3
MATH 102**	College Algebra	4
MAJOR TOTAL:		27-29
CSU GE-Breadth or IGETC for CSU requirements:		32-33
TOTAL UNITS:		60

*ECON 200 or 200H, 201 or 201H, and ECON 208 or MATH 108 may be double counted for CSUGE or IGETC. **CSUSB requires MATH 102 for their program.

CHILD DEVELOPMENT

CHILD DEVELOPMENT – INFANT & DEVELOPMENT CERTIFICATE

Correction to program name: From Child Development – Infant/Toddler to Child Development – Infant & Toddler

The Child Development - Infant & Development Certificate is designed to be the first step toward obtaining entry-level employment specializing in infant/toddler care. Students will be prepared to work with infants/toddlers (0-36 months) enabling the student to assist a teacher in a public infant/toddler program or teach infants/toddlers in a private child care setting. The Child Development - Infant & Development Certificate requires 25 CD units, which includes four units of CD Practicum/Field Work experience with infants/toddlers.

REQUIRED COURSES:		UNITS
CD 105	Child Growth and Development or	3
CD 105H	Child Growth and Development – Honors	3
CD 111	Observation and Assessment in Child Development	3
CD 126	Child, Family, and the Community	3
CD 127	Guidance of Children	3
CD 185	Infant/Toddler Growth and Development	3
CD 186	Infant and Toddler Curriculum	3
CD 244	Children with Special Needs	3
EXPERIENCE WORKING WITH CHILDREN AGES BIRTH – 24 MONTHS:		
CD 205	Child Development Practicum / Field Experience or	4
CD 210	Infant and Toddler Practicum	4

TOTAL UNITS: **25**

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COMPUTER INFORMATION TECHNOLOGY

**CIT – MANAGEMENT INFORMATION SYSTEMS
ASSOCIATE OF ARTS DEGREE (AA)**

Added to Catalog 2015-2016

To graduate with a specialization in Management Information Systems, a student must complete the following courses in addition to the general breadth requirements for an Associate’s Degree. The Management Information Systems Associate of Arts degree offers a complete introduction to computers, specific training in selected software packages, advanced courses dealing with networks, and management of computer facilities.

REQUIRED COURSES:	UNITS
CIT 101 Introduction to Computer Literacy	3
CIT 114 Spreadsheets: Excel	3
CIT 116 Database Management: Access	3
CIT 150 Office Applications Development	3
CIT 215 Database Management Systems	3
CIT 232 Data Communications and Networks	3
CIT 031 Business English or	3
ENGL 015 Preparation for College Writing or	4
ENGL 101 Freshman Composition or	4
ENGL 101H Freshman Composition-Honors	4

Choose one course from the following:

CIT 020 Word Processing: Microsoft Word	3
CIT 102 Advanced Computer Literacy	3
CIT 105 Introduction to Windows	2
CIT 120 Internet	2
CIT 126 Computer Graphics	3

TOTAL UNITS: 23 - 25

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**ADMINISTRATIVE ASSISTANT
CERTIFICATE**

Added to Catalog 2015-2016

The Administrative Assistant Certificate is designed to prepare students for employment in today’s modern office. Students will learn computer skills in Microsoft Office Applications and writing skills that are needed for successful business communication. Student will learn computer skills through hands-on practice and various business project simulations.

REQUIRED COURSES:	UNITS
CIT 013 Intermediate Keyboarding	3
CIT 021 Word Processing: Comprehensive Microsoft Word	4
CIT 031 Business English	3
CIT 100 Introduction to Personal Computers or	3
CIT 101 Introduction to Computer Literacy	3
CIT 114 Spreadsheets: Excel	3
CIT 116 Database Management: Access	3
CIT 118 Microsoft PowerPoint	3

TOTAL UNITS: 22

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HEATING, VENTILATION, AIR CONDITIONING & REFRIGERATION

**HEATING, VENTILATION, AIR CONDITIONING AND REFRIGERATION
ASSOCIATE OF SCIENCE DEGREE (AS)**

Correction to total units: From 31 to 27

To graduate with a specialization in Heating, Ventilation, Air Conditioning and Refrigeration, students must complete all requirements for the certificate with a grade of C or better plus the general breadth requirements for the Associate of Science Degree (minimum total = 60 units).

REQUIRED COURSES:

	UNITS
HVAC/R 001 HVAC/R Fundamentals	4
HVAC/R 002 Domestic Mechanical Refrigeration	4
HVAC/R 003 Commercial Mechanical Refrigeration	4
HVAC/R 004 Electrical Fundamentals for HVAC/R	4
HVAC/R 005 Commercial Electric for HVAC/R	4
HVAC/R 006 HVAC/R Air Distribution Systems	4
HVAC/R 007 Welding for HVAC/R	3
Environmental Protection Agency (EPA) Universal Certification (608)	0

RECOMMENDED COURSE: Students are encouraged to take this course to augment their knowledge of air conditioning and heating:

	UNITS
AUTO 056 Automotive Heating and Air Conditioning	4

TOTAL UNITS:

27

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LIBRARY TECHNOLOGY

**LIBRARY TECHNOLOGY
CERTIFICATE**

Correction to total units: From 22-25 to 22-29

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select. This certificate is designed to prepare students for entry-level employment in a library, assisting librarians to acquire, prepare, and organize material, and/or assisting users in finding information. In some cases, such as in small branch or school libraries, library technicians may perform any or all of these tasks on their own.

REQUIRED COURSES:		UNITS
CIT 010*	Beginning Keyboarding	0-3
ENGL 055	Children's Literature or	3
ENGL 155**	Children's Literature or	3
LIB 063	Survey of Literature for Library Technicians	2
LIB 062	Care and Repair of Library Materials	1
LIB 064	Introduction to Library Services	3
LIB 065	Public Services	3
LIB 066	Acquisitions	3
LIB 067	Cataloging and Classification	3
LIB 070	Library Technology and Media Services	4
LIB 098***	Library Technology Work Experience	1-4
LIB 110	Information Literacy and Research	2
TOTAL UNITS:		22-29

**or demonstrated ability to type 30 wpm for five minutes*

***or any other college-level literature course*

****This requirement may be waived if the student has been employed in a library for at least one year at full-time (or equivalent)*

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MACHINIST TECHNOLOGY

MACHINIST STANDARD

ASSOCIATE OF SCIENCE DEGREE (AS)

Correction to program name: From Machine Technology to Machinist Standard

To graduate with a specialization in Machinist Standard, students must complete the following required courses for the certificate plus the general breadth requirements for the Associate Degree (minimum 60 units).

REQUIRED COURSES:		UNITS
MACH 021	Machine Shop I	4
MACH 022	Machine Shop II	4
MACH 090	Mechanical Print Reading, Geometric Dimensioning and Tolerancing	3
MACH 120	Machine Shop Theory	2
MACH 123	Machine Shop III	4
MACH 124	Machine Shop IV	4
REQUIRED SPECIALIZED COURSES:		UNITS
MACH 070	Computer Numerical Control Machining I	3
MACH 129	Manufacturing Processes	3
TOTAL UNITS:		27



PROGRAM UPDATES

The following programs are no longer offered, effective immediately:

Biochemistry Associate of Science Degree
Computer Information Technology Associate of Arts Degree
Computer Information Technology: Management Information Systems Certificate
Dietetic Aide Certificate
Geographic Information Systems Certificate
Office/Clerical Certificate
Preventative Maintenance Certificate
Welding Inspection Technology Certificate

Please visit our Counseling Team for guidance on comparable approved programs that will ensure continued academic achievement.