

CERTIFICATE OF ACHIEVEMENT

MAJOR CODE 0501.00

(29 UNITS)

REQUIRED COURSES		UNITS
ACCTG 1	Introductory Accounting OR	5
ACCTG 21	Bookkeeping & Accounting I AND	3
ACCTG 22	Bookkeeping & Accounting II	3
CO SCI 901	Introduction to Computers and Their Use	3
BUS 1	Introduction to Business	3
BUS 32	Business Communications	3
BUS 38	Business Computations	3
LAW 1	Business Law I	3
MGMT 1	Principles of Management OR	3
MKTG 1	Principles of Selling	3
MKTG 21	Principles of Marketing	3
REAL ES 1	Real Estate Principles	3
TOTAL UNITS		29

BUSINESS ADMINISTRATION

(ALSO SEE MANAGEMENT AND MANAGEMENT - SMALL BUSINESS)

The Associate Degree program in Business Administration enables the student to transfer to a baccalaureate program at a four-year institution. Career opportunities are available for multiple professions including accounting managers, stockbrokers, financial consultants, insurance brokers, marketing managers and computer specialists. In addition, a prospective professor of business may get a start in the associate and baccalaureate programs in business administration.

Students who wish to obtain an associate degree in Business Administration may do so by completing the course requirements listed below plus all other WLAC requirements for an associate degree. Transfer students should consult the Counseling Office for major preparation and general education requirements of the particular transfer institution of their choice. Transfer students who want to also obtain an Associate Degree may consider doing so by completing the required coursework for the Liberal Arts degree with an area of emphasis in Business (See LIBERAL STUDIES).

ASSOCIATE OF ARTS DEGREE

MAJOR CODE 0501.01

(36 UNITS, PLAN B)

REQUIRED COURSES		UNITS
ACCTG 1	Introductory Accounting I	5
ACCTG 2	Introductory Accounting II	5
BUS 1	Introduction to Business	3
BUS 32	Business Communications	3
CO SCI 901	Introduction to Computers and Their Use	3
ECON 1	Principles of Economics I	3
ECON 2	Principles of Economics II	3
LAW 1	Business Law I	3
MGMT 1	Principles of Management	3
MATH 236	Calculus for Business and Social Sciences	5
TOTAL UNITS		36

RECOMMENDED COURSES		UNITS
BUS 31	Business English	3
CO SCI 934	Operating Systems	3
LAW 2	Business Law II	3
MGMT 2	Organization and Management Theory	3
MKTG 21	Principles of Marketing	3

CHEMISTRY

The Associate Degree in Chemistry will provide the student with a strong basic foundation in this science. Students who wish to obtain an associate degree in Chemistry may do so by completing the course requirements listed below plus all other WLAC requirements for an associate degree.

Transfer students should consult the Counseling Office for major preparation and general education requirements of the particular transfer institution of their choice. Transfer students who want to obtain an Associate Degree may do so by completing the WLAC requirements for an associate degree and the major requirements, OR by completing the required coursework for the Liberal Arts degree with an area of emphasis in Chemistry (See LIBERAL STUDIES).

ASSOCIATE OF ARTS DEGREE

MAJOR CODE 1905.00

(45 UNITS, PLAN B)

REQUIRED COURSES		UNITS
CHEM 101	General Chemistry I	5
CHEM 102	General Chemistry II	5
CHEM 211	Organic Chemistry for Science Majors I	5
CHEM 212	Organic Chemistry for Science Majors II	5
MATH 261	Calculus 1	5
MATH 262	Calculus II	5
MATH 263	Calculus III	5
PHYSICS 37	Physics for Engineers and Scientists I	5
PHYSICS 38	Physics for Engineers and Scientists II	5
TOTAL UNITS		45

CHILD DEVELOPMENT

The Child Development program is designed for students who are interested in working with young children. The program centers on continuing experiences in a wide variety of pre-school settings and will also meet the needs of persons who are currently employed in pre-school centers, but who want to increase their professional skills. Young children are society's most valuable resource, and they must be nurtured with this judgment clearly in view. Students in the Child Development program strive to gain a deep understanding of the total development and potential of young children. The field is expanding, with excellent job opportunities existing throughout the nation.

The Child Development Program serves those entering and currently employed in the rapidly expanding field of Early Childhood Education. Students will be prepared to teach in pre-school programs, including private schools, children's centers, Head Start programs, parent cooperatives and parochial schools, as well as serving as educational aides in elementary schools. The program also benefits anyone interested in understanding children, their development, and their behavior.

Students wanting to acquire only an Associate Degree in Child Development should follow the course requirements listed below. Transfer students should consult the Transfer Office for major preparation and general education requirements of the particular transfer institution of their choice.

All students must make an appointment for advisement in the Child Development Office (Science 108). Applications and a student profile record must be on file. Students will be advised to take a Math and an English assessment test.

THERE ARE RESIDENCY REQUIREMENTS AT WEST LOS ANGELES COLLEGE FOR THE AWARDING OF SKILLS CERTIFICATES, CERTIFICATE OF ACHIEVEMENT, AND ASSOCIATE OF ARTS DEGREE IN CHILD DEVELOPMENT:

Any student who has completed Child Development courses at colleges within the Los Angeles Community College District is eligible for a Child Development Skills Certificate, Certificate of Achievement, or an Associate of Arts Degree in Child Development at West Los Angeles College. However, there is a 12-unit residency requirement of coursework that must be completed at West Los Angeles College. These 12 units of coursework do not have to be in the field of Child Development.

Students who have taken courses outside the Los Angeles Community College District and are applying for one of the certificates or the degree must not only meet the 12-unit residency requirement, but must also meet the following additional requirements:

Students who are applying for a Skills Award, a Certificate of Achievement, or an Associate of Arts Degree in Child Development must complete a majority of the required coursework within the Los Angeles Community College District. Courses taken outside of the Los Angeles Community College District must be evaluated by the Department Chairperson.

The format for participating in the child Development program is as follows:

Associate of Arts Degree in Child Development - (40 units) requires 13 courses. The courses required are CD 1, 2, 3, 4, 10, 11, 22, 23, 30 or 34, 38, 39, 65 and FCS 21. The student must complete 10 out of the 13 courses including CD 22 and 23 within the Los Angeles Community College District. West Los Angeles College requires that CD 22 and CD 23 be taken in residency at West Los Angeles College.

There are pre-requisites and co-requisites for some of the Child Development courses.

- Child Development 1 and 2 are pre-requisites for Child Development 3 and 4.
- Child Development 1, 2, 3, and 4 are pre-requisites for Child Development 22 and 23.
- Child Development 48 is a co-requisite for CD 22.
- Child Development 42 and 65 are co-requisites for Child Development 23.

A minimum of 60 units is required for an Associate in Arts Degree in Child Development. The student must complete at least 40 units in Child Development and FCS. There are 16 units in general education required to obtain this degree. The general education courses include: Humanities, Social Science, Mathematics, Science and English. All courses must be completed with a grade of "C" or better.

Certificate of Achievement in Child Development - (31 units) requires 10 courses (State Approved). The courses required are CD 1, 2, 3, 4, 10, 11, 22, 30 or 34, 38, and FCS 21. The student must complete 7 out of the 11 courses (including CD 22) within the Los Angeles Community College District. West Los Angeles College requires that CD 22 (Practicum) be completed in residency at West Los Angeles College.

Skill Certificates in Child Development

Teacher - Private Pre-School (12 units) requires 4 courses. The required courses are CD 1, 2, 3 or 4, and 11. The student must complete 3 out of the 4 required courses within the Los Angeles Community College District.

Director - Private Preschool (15 units) requires 5 courses. The required courses are CD 1, 2, 3 or 4, 11, 38 or 39. The student must complete 4 out of the 5 required courses within the Los Angeles Community College District.

Areas of Specialization - (15 total units) students are required to complete 4 to 5 courses to receive a skill certificate in a specialized area of study.

- Curriculum Development
- Infant and Toddler Studies
- Early Literacy Development
- Program for Special Needs Children
- School Age Programs
- Administration and Supervision of ECE Programs
- Health, Nutrition, Safety and Food Prep in ECE Programs
- Observation, Assessment and Guidance
- Family Day Care Providers

ASSOCIATE OF ARTS DEGREE

MAJOR CODE 1305.00

(40 UNITS, PLAN B)

REQUIRED COURSES	UNITS
CD 1 Child Growth and Development	3
CD 2 Early Childhood: Principles and Practices	3
CD 3 Creative Experiences for Children I	3
CD 4 Creative Experiences for Children II	3
CD 10 Child Health	3
CD 11 Home, School and Community Relations	3
CD 22 Practicum in Child Development I	4
CD 23 Practicum in Child Development II	4
CD 30 Infant and Toddler Studies I	3
OR	
CD 34 Observing and Recording Children's Behavior	3
CD 38 Admin. and Supervision of Early Childhood Programs I	3
CD 39 Admin. and Supervision of Early Childhood Programs II	3
CD 65 Adult Supervision and Early Childhood Mentoring	2
FCS 21 Nutrition	3
TOTAL UNITS	40

CERTIFICATE OF ACHIEVEMENT

MAJOR CODE 1305.00

(31 UNITS)

REQUIRED COURSES	UNITS
CD 1 Child Growth and Development	3
CD 2 Early Childhood: Principles and Practices	3
CD 3 Creative Experiences for Children I	3
CD 4 Creative Experiences for Children II	3
CD 10 Child Health	3
CD 11 Home, School and Community Relations	3
CD 22 Practicum in Child Development I	4
CD 30 Infant and Toddler Studies I	3
OR	
CD 34 Observing and Recording Children's Behavior	3
CD 38 Admin. and Supervision of Early Childhood Programs I	3
FCS 21 Nutrition	3
TOTAL UNITS	31

SKILL CERTIFICATES

Note: Some skills certificates are not included on transcripts, and students completing skills certificates that are not transcribed do not participate in commencement.

SKILL CERTIFICATE IN TEACHER/PRIVATE

PRE-SCHOOL 12 UNITS

MAJOR CODE 1305.11

REQUIRED COURSES	UNITS
CD 1 Child Growth and Development	3
CD 2 Early Childhood: Principles and Practices	3
CD 3 Creative Experiences for Children I	3
OR	
CD 4 Creative Experiences for Children II	3
CD 11 Home, School and Community Relations	3
TOTAL UNITS	12

SKILL CERTIFICATE IN DIRECTOR/PRIVATE

PRE-SCHOOL 15 UNITS

MAJOR CODE 1305.00

REQUIRED COURSES	UNITS
CD 1 Child Growth and Development	3
CD 2 Early Childhood: Principles and Practices	3
CD 3 Creative Experiences for Children I	3
OR	
CD 4 Creative Experiences for Children II	3
CD 11 Home, School and Community Relations	3
CD 38 Admin. and Supervision of Early Childhood Programs I	3
OR	
CD 39 Admin. and Supervision of Early Childhood Programs II	3
TOTAL UNITS	15

The following additional courses are recommended to all students who have an interest in developing a more in-depth knowledge base which should enhance their professionalism in the field.

COURSE	UNITS
CD 12 Parent/Teacher/Child Interaction	3
CD 31 Infant and Toddler Studies II	3
CD 35 Fostering Literacy Development in Young Children	3
CD 42 The Child in a Diverse Society	3
CD 44 Programs for Children with Special Needs I	3
CD 45 Programs for Children with Special Needs II	3
CD 46 School Age Programs I	3
CD 47 School Age Programs II	3
CD 48 Positive Guidance in Early Childhood Settings	3

SKILL CERTIFICATES IN SPECIALIZED AREAS*

*The following skill certificates will only be awarded upon the completion of core coursework (i.e., CD 1; 2; 3 or 4; & 11).

Note: Some skills certificates are not included on transcripts, and students completing skills certificates that are not transcribed do not participate in commencement.

MAJOR REQUIREMENTS

CURRICULUM DEVELOPMENT IN EARLY CHILDHOOD PROGRAMS

MAJOR CODE 1305.12		
CD 1	Child Growth and Development	3
CD 2	Early Childhood: Principles and Practices	3
CD 3	reative Experiences for Children I	3
CD 4	Creative Experiences for Children II	3
CD 42	The Child in a Diverse Society	3
TOTAL UNITS		15

INFANT AND TODDLER STUDIES

MAJOR CODE 1305.13		
CD 1	Child Growth and Development	3
CD 2	Early Childhood: Principles and Practices	3
CD 11	Home, School and Community Relations	3
CD 30	Infant and Toddler Studies I	3
CD 31	Infant and Toddler Studies II	3
TOTAL UNITS		15

EARLY LITERACY DEVELOPMENT

MAJOR CODE 1305.14		
CD 1	Child Growth and Development	3
CD 2	Early Childhood: Principles and Practices	3
CD 11	Home, School and Community Relations	3
CD 35	Fostering Literacy Development in Young Children	3
SPEECH 135	Storytelling	3
TOTAL UNITS		15

SPECIAL NEEDS CHILDREN

MAJOR CODE 1305.20		
CD 1	Child Growth and Development	3
CD 3	Creative Experiences for Children I OR	3
CD 4	Creative Experiences for Children II	3
CD 11	Home, School and Community Relations	3
CD 44	Programs for Children with Special Needs I	3
CD 45	Programs for Children with Special Needs II	3
TOTAL UNITS		15

SCHOOL AGE PROGRAMS

MAJOR CODE 1305.15		
CD 1	Child Growth and Development	3
CD 3	Creative Experiences for Children I OR	3
CD 4	Creative Experiences for Children II	3
CD 11	Home, School and Community Relations	3
CD 46	School Age Programs I	3
CD 47	School Age Programs II	3
TOTAL UNITS		15

ADMINISTRATION AND SUPERVISION OF EARLY CHILDHOOD PROGRAMS

MAJOR CODE 1305.16		
<i>(must hold a Specialization Skill Certificate in Curriculum Development to qualify for this award)</i>		
CD 10	Child Health	3
CD 11	Home, School and Community Relations	3
CD 38	Administration and Supervision of Early Childhood Programs I	3
CD 39	Administration and Supervision of Early Childhood Programs II	3
CD 48	Positive Guidance in Early Childhood Settings	3
CD 65	Adult Supervision and Early Childhood Mentoring	2
TOTAL UNITS		17

HEALTH, NUTRITION, SAFETY AND FOOD SANITATION OF EARLY CHILDHOOD PROGRAMS

MAJOR CODE 1305.17		
CD 1	Child Growth and Development	3
CD 10	Child Health	3
FCS 21	Nutrition	3
HEALTH 11	Principles of Healthful Living OR	3
HEALTH 12	Safety Education and First Aid	3
TOTAL UNITS		12

OBSERVATION, ASSESSMENT, AND GUIDANCE IN EARLY CHILDHOOD PROGRAMS

MAJOR CODE 1305.18		
CD 1	Child Growth and Development	3
CD 2	Early Childhood: Principles and Practices	3
CD 11	Home, School and Community Relations	3
CD 34	Observing and Recording Children's Behavior	3
CD 48	Positive Guidance in Early Childhood Settings	3
TOTAL UNITS		15

FAMILY DAY CARE PROVIDERS

MAJOR CODE 1305.81		
CD 60	Introduction to Family Child Care I	1
CD 61	Introduction to Family Child Care II	1
CD 62	Developmental Profiles: Pre-Birth Through Age Eight	2
CD 63	Creative Curriculum in a Family Child Care Setting	2
TOTAL UNITS		6

CINEMA

(SEE COMMUNICATION, ENTERTAINMENT AND MEDIA ARTS)

COMMUNICATION, ENTERTAINMENT AND MEDIA ARTS (CEMA)

The Communication, Entertainment and Media Arts (CEMA) Division offers courses in Broadcasting, Cinema, Theater and Multimedia Courses in Cooperation with the Fine Arts Division. Students participating in the CEMA program will receive hands-on training and learn industry standards and best practices which will enable students to develop character and gain experience to compete in the professional world of communications and entertainment media.

SKILL CERTIFICATES

Note: Some skills certificates are not included on transcripts, and students completing skills certificates that are not transcribed do not participate in commencement.

SKILL CERTIFICATE IN CINEMA

MAJOR CODE 0612.00

Students earning a Skill Certificate in Cinema acquire a broad, general understanding of film theory, history, and production. Students will get hands-on experience in film production and be instructed in the mechanics of writing for film. They will have the opportunity to analyze screenplays, write a script, and/or produce their own short video or film. Courses are offered in screen writing, script treatment, content development, film history and analysis, and producing and editing of a digital short film.

REQUIRED COURSES	UNITS
CINEMA 1 Introduction to Motion Picture Production	3
CINEMA 3 History of Motion Pictures	3
CINEMA 5 Introduction to Screenwriting	3

PLUS 6 UNITS FROM THE FOLLOWING:

ART 639 Introduction to Digital Imaging	3
BRDCST 1 Fundamentals of Radio and TV Broadcasting	3
BRDCST 7 Radio Announcing I	3
BRDCST 12 Broadcast Station Operation I	3
BRDCST 14 Broadcast Station Management	3
BRDCST 25 Radio/TV/Film Writing	3
BRDCST 911 Cooperative Education	1
BRDCST 921 Cooperative Education	2
BRDCST 931 Cooperative Education	3
BRDCST 941 Cooperative Education	4
CINEMA 18 Main Currents in Motion Pictures	3
CINEMA 107 Understanding Motion Pictures	3
CINEMA 111 Cinema: Developing Content for Movies	3
CINEMA 112 Script Analysis	3
CINEMA 931 Cooperative Education	3
ENGLISH 240 Literature and the Motion Picture	3
MULTIMD 100 Introduction to Multimedia Computer Applications	3
MULTIMD 210 Digital Editing	3
MULTIMD 320 Web Design	3
TOTAL UNITS	15

SKILL CERTIFICATE IN RADIO BROADCASTING

MAJOR CODE 0603.10

The Radio Broadcasting curriculum is designed to provide study and training leading to an occupation for students seeking employment in the radio broadcasting industry.

REQUIRED COURSES	UNITS
BRDCST 1 Fundamentals of Radio and TV Broadcasting	3
BRDCST 7 Radio Announcing I	3
BRDCST 12 Broadcast Station Operation	3
BRDCST 14 Broadcast Station Management	3
BRDCST 931 Cooperative Education	3
TOTAL UNITS	15

SKILL CERTIFICATE IN THEATER ARTS

MAJOR CODE 1007.01

This Certificate offers courses designed to refresh and update play writing, theater history, management, and acting skills for live theater, as well as acting for television, film and the virtual stage of multimedia.

REQUIRED COURSES	UNITS
THEATER 100 Introduction to the Theater	3
THEATER 110 History of the World Theater	3
THEATER 200 Introduction to Acting	3

PLUS 6 UNITS FROM THE FOLLOWING:

SPEECH 135 Storytelling	3
THEATER 130 Playwriting	3
THEATER 233 Play Production	3
THEATER 240 Voice and Articulation for the Theater (Same as Speech 111)	3
THEATER 265 Movement for the Actor	2
THEATER 271 Intermediate Acting	2
THEATER 275 Scene Study	2
THEATER 278 Film and Television Acting	3
THEATER 285 Directed Study - Theater	2
THEATER 300 Introduction to Stage Craft	3
THEATER 501 Introduction to Motion Picture Production	3
THEATER 505 History of Motion Pictures (Same as Cinema 3)	3
THEATER 931 Cooperative Education - Theater	3
TOTAL UNITS	15

COMPUTER APPLICATIONS AND OFFICE TECHNOLOGIES

WORD PROCESSING OPTION

This curriculum prepares students for office administration occupations with emphasis on computer business application such as advanced word processing, electronic spreadsheet for business analysis, presentation graphics and computerized accounting.

ASSOCIATE OF ARTS DEGREE - WORD PROCESSING OPTION

MAJOR CODE 0514.01
(39 UNITS, PLAN B)

REQUIRED COURSES	UNITS
BUS 1 Introduction to Business	3
BUS 38 Business Computations	3
ACCTG 21 Bookkeeping & Accounting	3
ACCTG 25 Automated Accounting Methods and Procedures	3
CAOT 1 Computer Keyboarding I	3
CO SCI 901 Introduction to Computers and Their Use	3
BUS 31 Business English	3
BUS 32 Business Communications	3
CO SCI 930 Microsoft Advance Business Application	3
CAOT 39 Word Processing: Keyboarding and Operations	3

ELECTIVES (9 UNITS FROM THE FOLLOWING)	UNITS
Any CAOT courses	9
TOTAL UNITS	39

RECOMMENDED COURSES	UNITS
LAW 1 Business Law 1	3
CO SCI 934 Operating Systems	3

CERTIFICATE OF ACHIEVEMENT - WORD PROCESSING OPTION

MAJOR CODE 0514.01
(30 UNITS)

REQUIRED COURSES	UNITS
CAOT 1 Computer Keyboarding I	3
CO SCI 901 Introductions to Computers and their Use	3
BUS 31 Business English	3
BUS 32 Business Communications	3
CAOT 84 Word Processing Concepts in Information Systems	3
CAOT 39 Word Processing: Keyboarding and Operations	3
ACCTG 21 Bookkeeping & Accounting	3
ACCTG 25 Automated Accounting Methods and Procedures	3

ELECTIVES (6 UNITS FROM THE FOLLOWING)	UNITS
Any CAOT courses	6
TOTAL UNITS	30

SKILL CERTIFICATE

Note: Some skills certificates are not included on transcripts, and students completing skills certificates that are not transcribed do not participate in commencement.

SKILL CERTIFICATE IN LEGAL SECRETARY

MAJOR CODE 0514.10
This program prepares individuals with the knowledge and skills to perform secretarial duties and assume specific responsibilities in a legal office.

REQUIRED COURSES	UNITS
CAOT 23ABC Legal Secretarial Procedures	3
PARALEGAL 10 (or LAW 10) Introduction to Legal Assistant	3
CAOT 84 Word Processing, Concepts in Information Systems	3
CAOT 39 Word Processing, Keyboarding and Operations	3
CAOT 93 Legal Documents Production	2
CAOT 79 Word Processing Equipment Operation	3
TOTAL UNITS	17

COMPUTER SCIENCE INFORMATION TECHNOLOGY

COMPUTER SCIENCE INFORMATION TECHNOLOGY OPTION
COMPUTER NETWORK AND SECURITY MANAGEMENT OPTION

This curriculum offers instruction to students interested in careers in computing, information systems management and security, computer network, web development and database administration, and business application. A Computer Science Information Technology option and a Computer Network and Security Management option are offered. Regardless of option chosen, a student may obtain either an Associate of Arts degree or an occupational certificate by completing the appropriate course requirements listed below.

Transfer students who are interested in pursuing studies in the Computer Information Systems (MIS/CIS) area should consult the Counseling Office for major preparation and general education requirements of the particular transfer institution of their choice.

Transfer students who also want to obtain an Associate Degree may consider completing the required coursework for the Liberal Arts degree with an area of emphasis in either Computer Business Application and Database Management, Computer Network and Security Management, Computer Science, or Computer Web Design and Development (See LIBERAL ARTS).

ASSOCIATE OF ARTS DEGREE - COMPUTER SCIENCE INFORMATION TECHNOLOGY OPTION

MAJOR CODE 0702.00

(30 UNITS, PLAN A)

REQUIRED COURSES	UNITS
CO SCI 902 Introduction to Computer Science	3
CO SCI 917 Beginning Micro-Assembly Language	3
CO SCI 934 Operating Systems	3
OR	
CO SCI 935 Introduction to Linux+	3
CO SCI 936 Introduction to Data Structures	3
CO SCI 939 Programming in C	3
CO SCI 965 Introduction to Computer Networks	3
CO SCI 990 Object-Oriented Programming in Java	4

ELECTIVES (8 UNITS FROM THE FOLLOWING)

CO SCI 933 Database Design and Programming	3
CO SCI 938 Visual Basic Programming Using VB.net	3
CO SCI 953 Database Management with Oracle	3
CO SCI 958 Web Page Development Using HTML	3
CO SCI 962 Web Development with JAVA Script	4
CO SCI 967 Linux, Apache, MySQL, PHP	3
CO SCI 972 Introduction to Cisco Network Fundamentals	3
CO SCI 974 Introduction to Cisco Routers	3
CO SCI 980 Introduction to Computer and Information Security I	3
CO SCI 981 Administering Computer Networks and Security	3
CO SCI 982 Introduction to Microsoft Server Operating System	3
CO SCI 983 Microsoft Networking Infrastructure Administration	3
CO SCI 984 Introduction to Windows Active Directory Services	3
CO SCI 985 Network and Information System Security	3
CO SCI 988 Microsoft SQL Server	3
CO SCI 989 Microsoft Exchange Server	3
TOTAL UNITS	30

CERTIFICATE OF ACHIEVEMENT - COMPUTER SCIENCE INFORMATION TECHNOLOGY OPTION

MAJOR CODE 0702.00

(30 UNITS)

Same major requirements as for Associate degree. No general education requirements.

ASSOCIATE OF ARTS DEGREE - COMPUTER NETWORK AND SECURITY MANAGEMENT OPTION

MAJOR CODE 0708.11

AND

ASSOCIATE OF SCIENCE DEGREE - COMPUTER NETWORK AND SECURITY MANAGEMENT OPTION

MAJOR CODE 0708.12

(30 UNITS, PLAN A)

REQUIRED COURSES	UNITS
CO SCI 934 Operating Systems	3
OR	
CO SCI 935 Introduction to Linux+	3
CO SCI 965 Introduction to Computer Networks	3
CO SCI 972 Introduction to Cisco Network Fundamentals	3
CO SCI 974 Introduction to Cisco Routers	3
CO SCI 980 Introduction to Computer and Information Security I	3
CO SCI 981 Administering Computer Networks and Security	3
CO SCI 982 Introduction to Microsoft Server Operating System	3
CO SCI 983 Microsoft Networking Infrastructure Administration	3
CO SCI 984 Introduction to Windows Active Directory Services	3
CO SCI 985 Network and Information System Security	3
TOTAL UNITS	30

CERTIFICATE OF ACHIEVEMENT - COMPUTER NETWORK AND SECURITY MANAGEMENT OPTION

MAJOR CODE 0708.13

(30 UNITS)

Same major requirements as for Associate degree. No general education requirements.

SKILL CERTIFICATES

Note: Some skills certificates are not included on transcripts, and students completing skills certificates that are not transcribed do not participate in commencement.

SKILL CERTIFICATE IN BUSINESS APPLICATION AND DATABASE MANAGEMENT

MAJOR CODE 0701.01

This program enables the student to use application software such as advanced word processing, electronic spreadsheet, database management and presentation graphics to solve typical business problems and perform business analysis.

REQUIRED COURSES	UNITS
CO SCI 930 Intermediate Microsoft Office Application	4
CO SCI 933 Database Design (Microsoft Access)	3
CO SCI 934 Operating System	3

ELECTIVES (6 UNITS FROM THE FOLLOWING)

CO SCI 937 E-Commerce Essentials	3
CO SCI 948 Advanced Spreadsheet for Business Analysis	3
CO SCI 938 Visual Basic Programming Using VB.net	3
CO SCI 953 Database Management Using Oracle	3
CO SCI 967 Introduction to Linux, Apache, MySQL, PHP	3
TOTAL UNITS	16

MAJOR REQUIREMENTS

SKILL CERTIFICATE IN COMPUTER NETWORK MANAGEMENT

MAJOR CODE 0706.01

Microsoft Network training at WLAC prepares students to pass Microsoft Certification exams. These industry-demand certifications are important to those who wish to pursue a career working with Microsoft network. This program provides support professionals' core foundation for supporting Microsoft domain network.

REQUIRED COURSES	UNITS
CO SCI 965 Introduction to Computer Networks	3
CO SCI 981 Administering Computer Networks and Security	3
CO SCI 982 Introduction to Microsoft Server Operating System	3
CO SCI 983 Microsoft Networking Infrastructure Administration	3
CO SCI 984 Introduction to Windows Active Directory Services	3
CO SCI 991 Cisco Router Laboratory	1
CO SCI 992 Computer A+ Hardware Lab	2
TOTAL UNITS	17

SKILL CERTIFICATE IN COMPUTER NETWORK AND INFORMATION SYSTEM SECURITY

MAJOR CODE 0708.01

The curriculum is intended to help students develop skills to design, administer, and manage the heterogeneous corporate network and information system with security emphasis. The courses examine and illustrate network security with industry leading network operating systems. Individual courses will assist students in preparing for related industry certification exams.

REQUIRED COURSES	UNITS
CO SCI 980 Introduction to Computer and Information Security I	3
CO SCI 981 Administering Computer Networks and Security	3
CO SCI 983 Microsoft Networking Infrastructure Administration	3
CO SCI 984 Introduction to Windows Active Directory Services	3
CO SCI 985 Network and Information System Security	3
CO SCI 991 CISCO Router Laboratory	1
OR	
CO SCI 992 Computer A+ Hardware Laboratory	1
TOTAL UNITS	16

SKILL CERTIFICATE IN WEBSITE SUPPORT AND ADMINISTRATION

MAJOR CODE 0709.05

The curriculum is intended to help students develop skills in designing, building, programming, populating with contents, branding, marketing, supporting, and managing websites. This program also provides students with the knowledge and skills to administer web site security and to manage client-server database.

REQUIRED COURSES	UNITS
CO SCI 933 Database Design and Programming	3
CO SCI 957 Introduction to Web Page Design	3
OR	
CO SCI 952 Web Design Using Flash	3
CO SCI 958 Web Page Development Using HTML	3
CO SCI 962 Web Development with JAVA Script	4

AND 3 UNITS FROM THE FOLLOWING:

CO SCI 953 Database Management Using Oracle	3
CO SCI 963 Web Application using Active Server Pages (ASP.net)	3
CO SCI 967 Introduction to Linux, Apache, MySQL, PHP	3
CO SCI 988 Microsoft SQL Server	3
TOTAL UNITS	16

CRIMINAL JUSTICE

(SEE ADMINISTRATION OF JUSTICE)

CUSTOMER SERVICE

(SEE BUSINESS)

DENTAL HYGIENE

The dental hygienist, as a member of the dental health team, is qualified by education and license to provide primary care to patients for the maintenance of oral health and the prevention of oral disease. The hygienist removes deposits and stains from teeth, applies agents to help prevent tooth decay, prepares clinical tests and provides oral health instruction.

The Program in Dental Hygiene is accredited by the Commission on Dental Accreditation. The Commission is a specialized accrediting body recognized by the Commission on Recognition of Post Secondary Accreditation, and by the United States Department of Education. Admission to the Dental Hygiene program is by special selection. The admission requirements are available from the Counseling Office or the Dental Hygiene Department.

Dental Hygiene classroom and laboratory facilities are located on campus at West Los Angeles College. The students provide dental hygiene services to patients at UCLA Dental Clinic, Veterans Hospital, Cedars-Sinai Hospital, Inglewood Children's Center and the UCLA Venice Clinic. Students also observe and participate in various specialty clinics at UCLA which include radiology, pedodontics, periodontics, oral surgery and hospital dentistry. For more information, call (310) 287-4464 or visit the Allied Health website at www.wlac.edu/alliedhealth/ or come to the Dental Hygiene office.

In the curriculum below, courses are planned in sequence. Satisfactory completion of all courses with a grade of "C" or better in a given semester is required before the student may continue to the next semester in Dental Hygiene. All required courses in each semester are co-requisites and prerequisites for the subsequent semester. Candidates for graduation must satisfactorily complete the Dental Hygiene Program according to the State of California Dental Practice Act guidelines for curriculum. Upon program completion, students are eligible to take the Dental Hygiene National Board Examination, the State Board Examination, and earn an Associate in Science Degree in Dental Hygiene.