

MAJOR REQUIREMENTS

ASSOCIATE OF ARTS DEGREE

Business Administration

MAJOR CODE: 0505.00

REQUIRED COURSES	UNITS
ACCTG 1 Introductory Accounting I	5
ACCTG 2 Introductory Accounting II	5
CO SCI 901 Introduction to Computer and Their Use	3
ECON 1 Principles of Economics I	3
ECON 2 Principles of Economics II	3
BUS 5 Business Law I	3
MATH 227 Statistics	4
Or	
MATH 236 Calculus for Business & Social Science	5
TOTAL COURSE UNITS	26

RECOMMENDED COURSE SEQUENCE

SEMESTER 1	UNITS
ACCTG 1 Introductory Accounting I	5
CO SCI 901 Introduction to Computer and Their Use	3
MATH 125 Intermediate Algebra	5
GEN ED 1- GEN ED COURSE	3
TOTAL SEMESTER 1 UNITS	16

SEMESTER 2	UNITS
ACCTG 2 Introductory Accounting II	5
BUS 5 Business Law I	3
GEN ED 2- GEN ED COURSES	6
TOTAL SEMESTER 2 UNITS	14

SEMESTER 3	UNITS
ECON 1 Principles of Economics I	3
MATH 227** Statistics	4
GEN ED 3 GEN ED COURSES	9
TOTAL SEMESTER 3 UNITS	16

SEMESTER 4	UNITS
ECON 2 Principles of Economics II	3
GEN ED 4 GEN ED COURSES	12
TOTAL COURSE UNITS	15
TOTAL SEMESTER 4 UNITS	60

**Higher level Mathematics coursework may be substituted to meet transfer requirements at varying four-year institutions.

CERTIFIED NURSING ASSISTANT

HOME HEALTH AIDE

HEALTH SCIENCES DIVISION

The Certified Nursing Assistant and Home Health Aide Program prepares students for an exciting career in the health care setting. Students will learn to become health care workers in the long term care facilities, acute care settings, and home care settings. Emphasis is given to safety principles, infection control, methods for providing physical care and emotional and social support. As well as, understand the regulatory guidelines pertaining to Home Health Aide scope of practice; the basic knowledge of disease and how to recognize signs and symptoms of the disease; the concepts of provision of care in a home setting and to provide a sound knowledge base from which the HHA can be an important partner of other healthcare providers.

The Department of Health Services and Red Cross certify program. Upon successful completion of the program, the student is eligible to take the State of California Certification Examination. Requirements for acceptance into the program can be obtained through the Allied Health office. For more information, please call (310) 287-7226 or visit the Allied Health website at www.wlac.edu/Allied-Health/index.aspx or visit the office located in SC 104.

PROGRAM LEARNING OUTCOMES (PLOS):

Upon completion of this program, students will:

- Adhere to the code of ethical conduct and apply this code to establish state and federal regulations and promote, safe, quality care in home-care settings.
- Understand the importance of collaboration with the interdisciplinary team during provision of care.
- Demonstrate ability to communicate any unusual occurrences noted in the home care setting during provision of care to immediate supervisor/case manager.
- Assist patients and provide professional care with activities of daily living.
- Demonstrate confidence in observation and reporting data to the IDT team during case conference.

ATTENTION TRANSFER STUDENTS

NOTE: Students expecting to transfer to four-year institutions should see a West Los Angeles College counselor and consult the catalogs of transfer institutions regarding specific requirements for upper-division standing.

MAJOR REQUIREMENTS

Certified Nurse Assistant (CNA)

MAJOR CODE: 1230.30

	UNITS
Nursing 056 Essential Practice Skills for Assistants	1
Nursing 399A Certified Nurse Assistant	5
Nursing 399B Certified Home Health Aide	2
Allied Health 21 Basic Cardiac Life Support	.5
TOTAL UNITS REQUIRED	8.5

Home Health Aide

MAJOR CODE: 1230.80

	UNITS
Nursing 399B Certified Home Health Aide	2
TOTAL UNITS REQUIRED	2



SKILL CERTIFICATES*

Note: Skill certificates are not state-approved and are not included on transcripts. Only students completing state-approved degrees and/or certificates may participate in commencement.

**Departments offering Skills Certificates are responsible for their issuance*

Certified Nurse Assistant (CNA)

MAJOR CODE: 1230.30

	UNITS
Nursing 056 Essential Practice Skills for Assistants	1
Nursing 399A Certified Nurse Assistant	5
Nursing 399B Certified Home Health Aide	2
Allied Health 21 Basic Cardiac Life Support	.5
TOTAL UNITS REQUIRED	8.5

CHEMISTRY

SCIENCE DIVISION

ASSOCIATE DEGREE

PROGRAM OVERVIEW

The Associate of Arts degree in Chemistry includes coursework that aligns with specific lower-division major requirements for the Chemistry major at various universities within the University of California (UC) and California State University (CSU) systems. Additional coursework in Math and Physics is required at some UC and CSU campuses.

Students are encouraged to visit the Transfer Center for complete information regarding transfer requirements for the institution of their choice. Students interested in transfer are also encouraged to consult the Counseling Office for individualized educational planning.

The Associate Degree in Chemistry is designed to provide students with a strong basic foundation for baccalaureate study in Chemistry.

PROGRAM LEARNING OUTCOMES (PLOS):

Upon completion of this program, students will:

- Utilize an appropriate and effective scientific methodology to analyze physical and chemical processes in the workplace and in everyday living.
- Explain and analyze the chemical world –as chemistry is a basic science with connections to many careers
- Research and interpret scientific literature.

AWARD	TYPE	GRAD PLAN	REQ COURSES UNITS	TOTAL UNITS
Chemistry	AA	Plan B	45	60-66+
+ At least 60 degree applicable units (45 total major units and Plan B units) are required to earn an Associate Degree.				

MAJOR REQUIREMENTS

ASSOCIATE OF ARTS DEGREE

Chemistry

MAJOR CODE: 1905.00

(45 Units, Plan B) + All other West requirements for Associate Degree

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 I	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

RECOMMENDED COURSE SEQUENCE

MAJOR CODE: 1905.00

PREPARATION SEMESTER 1	UNITS
CHEM 101 General Chemistry I	5
MATH 241 Trigonometry with Vectors	4
GEN ED 1-GEN ED Course	3
TOTAL SEMESTER A UNITS	12

PREPARATION SEMESTER 2	UNITS
CHEM 102 General Chemistry II	5
MATH 260 Pre-Calculus	5
GEN ED 1-GEN ED Course	3
TOTAL SEMESTER B UNITS	13

SEMESTER 3	UNITS
CHEM 211 Organic Chemistry for Science Majors I	5
MATH 261 Calculus I	5
GEN ED 1-GEN ED Course	3
TOTAL SEMESTER 1 UNITS	13

SEMESTER 4	UNITS
CHEM 212 Organic Chemistry for Science Majors II	5
MATH 262 Calculus II	5
PHYSICS 37 Physics for Engineers & Scientists I	5
TOTAL SEMESTER 2 UNITS	15

SEMESTER 5	UNITS
MATH 263 Organic Chemistry for Science Majors II	5
PHYSICS 38 Physics for Engineers & Scientists II	5
GEN ED 1-GEN ED Course	3
TOTAL SEMESTER 3 UNITS	13
TOTAL DEGREE UNITS	60

The recommend course sequence for the Chemistry major includes pre-requisite Math requirements for the major beginning with Math 241. NOTE: Math 125 is a pre-requisite for Math 241.

CHILD DEVELOPMENT

BEHAVIORAL SCIENCE DIVISION

ASSOCIATE DEGREE

PROGRAM OVERVIEW

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.

ATTENTION TRANSFER STUDENTS

NOTE: Students expecting to transfer to four-year institutions should see a West Los Angeles College counselor and consult the catalogs of transfer institutions regarding specific requirements for upper-division standing.

MAJOR REQUIREMENTS

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 Child Development Program at West Los Angeles College prepares those individuals that are interested in opening their own Child Care facility. The program also benefits anyone interested in understanding children, their development, and their behavior.

All students must make an appointment for advisement in the Child Development Office (GC 180). 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, Certificates 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.

PROGRAM LEARNING OUTCOMES (PLOS):

Upon completion of this program, students will:

- Understanding Young Children: Practice and demonstrate an understanding of child development and their relationships with children and families to understand children as individuals and to plan responses to their unique needs and potentials.
- Equity Fairness, and Diversity: Practice, model, and teach behaviors appropriate in a diverse society by creating a safe, secure learning environment for all children; by showing

appreciation of and respect for the individual differences and unique needs of each member of the learning community; and by empowering children to give and expect equity, fairness, and dignity.

- Assessment: Critically investigate, interpret and analyze results of the strengths and weaknesses of multiple assessment methodologies and know how to use them effectively. Utilize a variety of methods, they systematically observe, monitor, and document children's activities and behavior, analyzing, communicating, and using the information they decide would improve their work with children, parents, and others.
- Promoting Child Development and Learning: Practice and demonstrate an understanding of how to promote children's cognitive, social, emotional, physical, and linguistic development by organizing and orchestrating the environment in ways that best facilitate the development and learning of young children.
- Knowledge of Integrated Curriculum: Apply critical thinking to design and implement academic subjects, and assessment tools so that the program design is developmentally appropriate learning experience that integrate within and across the disciplines.
- Multiple Teaching Strategies for Meaningful Learning: Utilize a variety of practices and resources to promote individual development, meaningful learning and social cooperation.

AWARD	TYPE	GRAD PLAN	REQ COURSES UNITS	TOTAL UNITS
Child Development	AA	Plan B	40	60+
Early Childhood Education	AA-T	GE PLAN	25	60*
Child Development	Cert	N/A	31	31
+ At least 60 degree applicable units (40 total major units and Plan B units) are required to earn an Associate Degree.				
* Required course units and completion of CSU Breadth or IGETC Requirements.				

MAJOR REQUIREMENTS

ASSOCIATE OF ARTS DEGREE

Child Development

MAJOR CODE: 1305.00

(40 Units, Plan B) + All other West requirements for Associate Degree

REQUIRED COURSES	UNITS
CD 1 Child Growth and Development	3
CD 2 Early Childhood: Principles and Practices	3
CD 7 Introduction to Curriculum ECE	3
CD 8 Curriculum in ECE	3
CD 10 Health Safety, and Nutrition	3
CD 11 Child, Family, and Community	3
CD 22 Practicum in Child Development I	4
CD 23 Practicum in Child Development II	4
CD 34 Observing and Recording Children's Behavior	3
CD 42 Teaching in a Diverse Society	3
CD 65 Adult Supervision and Early Childhood Mentoring	2
TOTAL UNITS	34

PLUS, REQUIRED 6 UNITS OF SPECIALIZATION

Child Health, Safety, and Nutrition:	UNITS
CD 10 Health, Safety, and Nutrition	3
FCS 21 Nutrition	3

Infant Studies:	UNITS
CD 30 Infant and Toddler Studies I	3
CD 31 Infant Studies II	3

Administration and Supervision:	UNITS
CD 38 Admin & Supervision Early Childhood Programs I	3
CD 39 Admin & Supervision Early Childhood Programs II	3

Special Needs:	UNITS
CD 44 Early Intervention Children w/ Special Needs	3
CD 45 Programs for Children w/Special Needs	3

School Age Programs:	UNITS
CD 46 School Age Programs I	3
CD 47 School Age Programs II	3

Note: Students must complete 10 out of 13 courses 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.

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

- CD 1 and 2 are pre-requisites for CD 7 and 8.
- CD 1, 2, 7, and 11 are pre-requisites for CD 22 and 23.
- CD 42 is a co-requisite for CD 22.
- CD 7 formerly CD 4
- CD 8 formerly CD 3

RECOMMENDED COURSE SEQUENCE

FALL SEMESTER	UNITS
CD 1 Child Growth and Development	3
CD 2 Early Childhood: Principles and Practices	3
CD 10 Health, Safety, & Nutrition	3
TOTAL FALL SEMESTER UNITS	9

SPRING SEMESTER	UNITS
CD 7 Introduction to Curriculum ECE	3
CD 11 Child, Family, and Community	3
CD 34 Observing and Recording Children's Behavior	3
TOTAL SPRING SEMESTER UNITS	9

FALL SEMESTER	UNITS
CD Elective* CD Elective	3
CD 22 Practicum in Child Development I	4
CD 42 Teaching in a Diverse Society	3
TOTAL FALL SEMESTER UNITS	10

ATTENTION TRANSFER STUDENTS

NOTE: Students expecting to transfer to four-year institutions should see a West Los Angeles College counselor and consult the catalogs of transfer institutions regarding specific requirements for upper-division standing.

MAJOR REQUIREMENTS

SPRING SEMESTER		UNITS
CD 8	Curriculum in ECE	3
CD 23	Practicum in Child Development II	4
CD 65	Adult Supervision and Early Childhood Mentoring	2
CD Elective*	Child Development Elective	3
TOTAL SPRING SEMESTER UNITS		12
TOTAL MAJOR UNITS		40



CERTIFICATE OF ACHIEVEMENT

Child Development

MAJOR CODE: 1305.00

REQUIRED COURSES		UNITS
CD 1	Child Growth and Development	3
CD 2	Early Childhood: Principles and Practices	3
CD 7	Introduction to Curriculum ECE	3
CD 8	Curriculum in ECE	3
CD 10	Health, Safety, & Nutrition	3
CD 11	Child, Family, and Community	3
CD 22	Practicum in Child Development I	4
CD 42	Teaching in a Diverse Society	3
FCS 21	Nutrition	3
CD Elective*	Child Development Elective	3
TOTAL CERTIFICATE UNITS		31

RECOMMENDED COURSE SEQUENCE

SEMESTER 1		UNITS
CD 1	Child Growth and Development	3
CD 2	Early Childhood: Principles and Practices	3
CD 7	Introduction to Curriculum ECE	3
CD 10	Health, Safety, & Nutrition	3
CD 11	Child, Family, and Community	3
TOTAL COURSE UNITS		15

SEMESTER 2		UNITS
CD 8	Curriculum in ECE	3
CD 22	Practicum in Child Development I	4
CD 42	Teaching in a Diverse Society	3
FCS 21	Nutrition	3
CD Elective*	Child Development Elective	3
TOTAL COURSE UNITS		16
TOTAL CERTIFICATE UNITS		31

*Choose any CD course not identified as a requirement.



SKILL CERTIFICATES*

*Note: Skill certificates are not state-approved and are not included on transcripts. Only students completing state-approved degrees and/or certificates may participate in commencement.

Departments offering Skills Certificates are responsible for their issuance.

Skill Certificate:

Preschool Associate Teacher Certificate

MAJOR CODE: 1305.01

		UNITS
CD 1	Child Growth and Development	3
CD 2	Early Childhood: Principles and Practices	3
CD 7	Introduction to Curriculum ECE	3
OR		
CD 8	Curriculum in ECE	3
CD 11	Child, Family, and Community	3
SKILL CERTIFICATE* UNITS REQUIRED**		12

Note: Students must complete 4 out of 5 required courses within the Los Angeles Community College District.

Skill Certificate*:

Infant and Toddler Studies

MAJOR CODE: 1305.13

		UNITS
CD 1	Child Growth and Development	3
CD 2	Early Childhood: Principles and Practices	3
CD 11	Child, Family, and Community	3
CD 30	Infant and Toddler Studies I	3
CD 31	Infant Studies II	3
SKILL CERTIFICATE* UNITS REQUIRED**		15

MAJOR REQUIREMENTS

Skill Certificate*: Special Needs Children

MAJOR CODE: 1305.20

		UNITS
CD 30	Infant and Toddler Studies I	3
CD 31	Infant Studies II	3
CD 34	Observing and Recording Children's Behavior	3
CD 44	Early Intervention Children w/Special Needs	3
CD 45	Programs for Children w/Special Needs	3
SKILL CERTIFICATE* UNITS REQUIRED**		15

**Note: Skill certificates are not state-approved and are not included on transcripts. Only students completing state-approved degrees and/or certificates may participate in commencement.*

Departments offering Skills Certificates are responsible for their issuance.

Skill Certificate: School Age Programs

MAJOR CODE: 1305.01

		UNITS
CD 7	Introduction to Curriculum ECE	3
CD 8	Curriculum in ECE	3
CD 11	Child, Family, and Community	3
CD 46	School Age Programs I	3
CD 47	School Age Programs II	3
SKILL CERTIFICATE* UNITS REQUIRED**		15

Skill Certificate*: Administration and Supervision of Early Childhood Programs

MAJOR CODE: 1305.13

		UNITS
CD 7	Introduction to Curriculum ECE	3
OR		
CD 8	Curriculum in ECE	3
CD 10	Health, Safety, & Nutrition	3
CD 38	Admin & Supervision Early Childhood Programs I	3
CD 39	Admin & Supervision Early Childhood Programs II	3
CD 65		3
SKILL CERTIFICATE* UNITS REQUIRED**		15

Skill Certificate*: Health, Nutrition, and Food Sanitation in Early Childhood Programs

MAJOR CODE: 1305.20

		UNITS
CD 1	Child Growth and Development	3
CD 10	Health, Safety, & Nutrition	3
FCD 21	Nutrition	3
HEALTH 11	Principles of Healthy Living	3
OR		
HEALTH 12	Safety Education and First Aid	3
SKILL CERTIFICATE* UNITS REQUIRED**		12

CHILD DEVELOPMENT EARLY CHILDHOOD EDUCATION

SOCIAL SCIENCES DIVISION



Associate Degree
for Transfer
A Degree with a Guarantee.SM

APPROPRIATENESS TO MISSION

The Associate in Science in Early Childhood Education for Transfer (AS-T) is a degree that provides a solid lower-division preparation for students who intend to transfer to a California State University (CSU) for a bachelor's degree in Child Development, Human Development, Child and Adolescent Development or Education programs.

ATTENTION TRANSFER STUDENTS

NOTE: Students expecting to transfer to four-year institutions should see a West Los Angeles College counselor and consult the catalogs of transfer institutions regarding specific requirements for upper-division standing.

MAJOR REQUIREMENTS

STATEMENT OF PROGRAM GOALS AND OBJECTIVES

The degree is designed to provide a clear pathway to a CSU and guaranteed admission to a CSU. Students are guaranteed admission somewhere in the CSU system and will only be required to complete an additional 60 units for the baccalaureate degree. Students are strongly advised to meet with a counselor for specific university major preparation at the college of their choice in order to facilitate a seamless transition. This coursework will satisfy the lower division Early Childhood Education requirements at some of the CSU campuses. Information on which CSU campuses accept this degree can be found at <http://www.sb1440.org/>

PROGRAM LEARNING OUTCOMES (PLOS):

Students successfully completing this degree will have the ability to design and implement an early childhood education curriculum that is developmentally appropriate, culturally aware, and encourages parent involvement. Students also will:

Demonstrate the use of developmentally appropriate practices for young children.

Evaluate and demonstrate the roles of Early Childhood Education professionals in preparing children for school success.

Plan and implement curriculum domain experiences/activities for preschool and/or school-age children.

Advocate for children's rights to develop their potential for becoming productive, well-adjusted members of society.

Implement a plan for professional success to include obtaining a California Child Development Permit to qualify for employment in programs receiving funding from Federal, State, private (profit and non-profit), and family child care sources.

Develop practical ideas for implementing culturally relevant and anti-bias education in core curriculum areas.

Career options available to students following completion of a four-year Bachelor's degree in Early Childhood Education include Head Start Teacher, Program Director, Site Supervisor, and Educational Specialist.

DESCRIPTION

The AS-T in Early Childhood Education for transfer is intended for students who are planning to transfer to a California State University (CSU) into a Bachelor of Child Development, Child and Adolescent Development, Human Development, or Educational programs; guaranteeing admission to the CSU system but not to a specific campus or major. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

This degree complies with The Student Transfer Achievement Reform Act (Senate Bill 1440). To earn this AS-T degree, students must meet the following requirements:

- (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.
 - (B) A minimum of 25 semester units in the major or in a major area of emphasis as determined by the community college district.
- (2) Obtainment of a minimum grade point average of 2.0.

Associate Degrees for Transfer also require that students earn a C or better in all courses required for the major or area of emphasis.

Completion of this A.S.-T program will allow the student to be a Lead Teacher, Program Director, and Site Supervisor.

Students will not be required to complete additional local graduation requirements to obtain the A.S.-T degree.



ASSOCIATE OF ARTS DEGREE for TRANSFER (AS-T)

MAJOR CODE: 1305.00

REQUIRED COURSES (24 UNITS)		UNITS
CH. DEV. 1	Child Growth and Development	3
CH. DEV. 11	Child, Family and Community	3
CH. DEV. 2	Early Childhood: Principles and Practices	3
CH. DEV. 7	Intro. To Curriculum in Early Childhood Education	3
CH. DEV. 34	Observation & Recording Children's Behavior	3
CH. DEV. 22	Practicum in Child Development	4
CH. DEV. 10	Health, Safety and Nutrition	3
CH. DEV. 42	Teaching in a Diverse Society	3
TOTAL UNITS FOR MAJOR		25
TOTAL UNITS DOUBLE-COUNTED		3
TOTAL IGETC UNITS		37
TOTAL ELECTIVE UNITS (CSU TRANSFERABLE)		1
TOTAL DEGREE UNITS		60

MAJOR REQUIREMENTS

CINEMA

ARTS & PERFORMANCE DIVISION

SKILL CERTIFICATE*

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 short digital film.

**Note: Skill certificates are not state-approved and are not included on transcripts. Only students completing state-approved degrees and/or certificates may participate in commencement.*

Departments offering Skills Certificates are responsible for their issuance.

Skill Certificate*: Cinema

MAJOR CODE: 0612.00

REQUIRED	UNITS
CINEMA 1 Introduction to Motion Picture Production	3
CINEMA 3 History of Motion Pictures	3
CINEMA 5 Introduction	3
SKILL CERTIFICATE* UNITS REQUIRED**	9

CHOOSE 6 UNITS OF ELECTIVES:

ELECTIVE UNITS	UNITS
ART 639 Introduction to Digital Imaging	3
BRDCST 1 Fundamentals of Radio And TV Broadcasting	3
BRDCST 7 Radio Announcement I	3
BRDCST 12 Broadcast Station Operation I	3
BRDCST 17 Industrial & Commercial Voice-Over Techniques	3
BRDCST 25 Radio/TV/Film Writing	3
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

MULTIMD 100 Intro to Multimedia Computer Applications	3
MULTIMD 210 Digital Editing	3
MULTIMD 320 Web Design	3
TOTAL UNITS	6
TOTAL SKILL CERTIFICATE* UNITS	15

**Departments offering Skills Certificates are responsible for their issuance.*

COMMUNICATION STUDIES

LANGUAGE ARTS DIVISION



Associate Degree
for Transfer
A Degree with a Guarantee.SM

The Associate of Arts degree in Communication Studies includes coursework that aligns with lower-division requirements for transfer to various universities within the University of California (UC) and California State University (CSU) systems.

Students interested in transferring to a four-year college or university may also consider the Associate of Arts degree in Liberal Arts and Sciences (Arts and Humanities emphasis). Students are encouraged to visit the Transfer Center for complete information regarding transfer requirements for the institution of their choice. Students interested in transfer are also encouraged to consult the Counseling Office for individualized educational planning.

ATTENTION TRANSFER STUDENTS

NOTE: Students expecting to transfer to four-year institutions should see a West Los Angeles College counselor and consult the catalogs of transfer institutions regarding specific requirements for upper-division standing.

MAJOR REQUIREMENTS

The Associate in Arts in Communication Studies for Transfer (AA-T) Degree prepares students for transfer into a Bachelor of Arts program in Communication Studies at a California State University (CSU). This degree aligns with the college's mission to provide a transfer pathway for student success.

PROGRAM LEARNING OUTCOMES (PLOS):

- Research and collect data on the demographics, needs and expectations of the audience.
- Analyze the audience and adjust to its needs when delivering a speech.
- Plan speeches that have clear purposes: to inform, to debate, to persuade or to resolve conflict.
- Employ effective interpersonal communication skills and strategies that foster improved relationships with other individuals in dyads or small groups.
- Apply critical thinking to formulating speeches and in assisting audiences in understanding, investigating or questioning the contents and purpose of a speech.
- Deliver speeches that incorporate a combination of verbal and non-verbal, written and/or visual and auditory expressions and media.
- Employ voice projection, enunciation, pacing, eye contact and other effective delivery strategies.
- Employ small group communication strategies.
- Employ relaxation techniques to prepare for delivery.
- Script a speech.



ASSOCIATE OF ARTS DEGREE for TRANSFER (AA-T)

MAJOR CODE: 1506.00

(21 Units, Plan A) + All West requirements for Associate Degree.

REQUIRED COURSE:	UNITS
COMM 101 Oral Communication	3

LIST A: SELECT TWO (6 UNITS)

COMM 104 Argumentation	3
COMM 121 Process of Interpersonal Communication	3
COMM 151 Small Group Communication	3

LIST B: SELECT TWO (6 UNITS)

Any course from List A that has not already been used	
COMM 122 Intercultural Communication	3
CINEMA 100 Intro to Motion Picture Production	3
ART 635 Desktop Publishing Design	3

LIST C: SELECT ONE (3 UNITS)

Any course from List A that has not already been used	
COMM 111 Voice and Articulation	3
ANTHRO 102 Human Ways of Life: Cultural Anthro	3
PSYCH 1 General Psychology	3
SOC 1 Introduction to Sociology	3
ENGL 102 College Reading and Composition II	3
TOTAL MAJOR UNITS	18



ASSOCIATE OF ARTS DEGREE

MAJOR CODE: 1506.00

(The Associate of Arts degree in Communication Studies includes coursework that aligns with lower-division requirements for transfer to various universities within the University of California (UC) and California State University (CSU) systems.

PROGRAM LEARNING OUTCOMES (PLOS):

- Research and collect data on the demographics, needs and expectations of the audience.
- Analyze the audience and adjust to its needs when delivering a speech.
- Plan speeches that have clear purposes: to inform, to debate, to persuade or to resolve conflict.
- Employ effective interpersonal communication skills and strategies that foster improved relationships with other individuals in dyads or small groups.
- Apply critical thinking to formulating speeches and in assisting audiences in understanding, investigating or questioning the contents and purpose of a speech.
- Deliver speeches that incorporate a combination of verbal and non-verbal, written and/or visual and auditory expressions and media.
- Employ voice projection, enunciation, pacing, eye contact and other effective delivery strategies.
- Employ small group communication strategies.
- Employ relaxation techniques to prepare for delivery.
- Script a speech.

(21 Units, Plan A) + All West requirements for Associate Degree.

REQUIRED COURSES:	UNITS
COMM 101 Oral Communication	3
COMM 104 Argumentation	3
COMM 121 Process of Interpersonal Communication	3
COMM 151 Small Group Communication	3

MAJOR REQUIREMENTS

AND 9 UNITS FROM THE FOLLOWING COURSES

ENGLISH 102 College Reading and Comprehension II	3
COMM 111 Voice and Articulation or Theater 240	3
THEATER 200 Introduction to Acting	3
TOTAL MAJOR UNITS REQUIRED	21

AWARD	TYPE	GRAD PLAN	REQ COURSES UNITS	TOTAL UNITS
Communication Studies	AA	Plan A	21	60+
Communications Studies	AA-T	CSU/IGETC	18	60*
+ At least 60 degree applicable units (40 total major units and Plan B units) are required to earn an Associate Degree.				
* Required course units and completion of CSU Breadth or IGETC Requirements.				

COMPUTER APPLICATION OFFICE TECHNOLOGY - GENERAL OFFICE

COMPUTER SCIENCE & APPLICATION DIVISION

ASSOCIATE DEGREE

PROGRAM OVERVIEW

The Associate of Arts degree in Computer Application and Office technologies is primarily designed for vocational education and workforce training & development. This curriculum prepares students for office administration occupation with emphasis on computer business application such as advanced word processing, electronic spreadsheets, business and computerized accounting.

PROGRAM LEARNING OUTCOMES (PLOS):

Upon completion of this program, students will:

- Use current and emerging computing technology to enhance business and individual productivities.
- Create documents, presentations, spreadsheet and database for course work, professional purpose and personal use.
- Use a current accounting software package to complete an income statement and balance sheet.

AWARD	TYPE	GRAD PLAN	REQ COURSES UNITS	TOTAL UNITS
Computer Application & Office Technology	AA	Plan A	32	60+
Computer Application & Office Technology	Cert	N/A	32	32
+ At least 60 degree applicable units (32 total major units and Plan A units) are required to earn an Associate Degree.				

ASSOCIATE OF ARTS DEGREE

CAOT – General Office

MAJOR CODE: 0514.00

(32 Units, Plan A) + All other West requirements for Associate Degree

REQUIRED COURSES	UNITS
ACCT 1 Introductory Accounting I	5
ACCTG 25 Automated Accounting	3
BUS 1 Introduction to Business	3
BUS 31 Business English	3
BUS 32 Business Communications	3
CAOT 79 Word Processing Applications	3
CO SCI 901 Intro to Computers and Their Use	3
CO SCI 930 Microsoft Advance Business App	4
CAOT Elective CAOT Elective*	5
TOTAL REQUIRED COURSE UNITS	32

ATTENTION TRANSFER STUDENTS

NOTE: Students expecting to transfer to four-year institutions should see a West Los Angeles College counselor and consult the catalogs of transfer institutions regarding specific requirements for upper-division standing.

MAJOR REQUIREMENTS

RECOMMENDED COURSE SEQUENCE

SEMESTER 1	UNITS
CO SCI 901 Intro to Computers and Their Use	3
BUS 1 Introduction to Business	3
BUS 31 Business English	3
GE Electives GE Electives-Plan A	6
TOTAL SEMESTER 1 UNITS	15

SEMESTER 2	UNITS
ACCT 1 Introductory Accounting I	5
CAOT Elective CAOT Elective*	3
BUS 32 Business Communications	3
CO SCI 930 Microsoft Advance Business App	4
TOTAL SEMESTER 2 UNITS	15

SEMESTER 3	UNITS
ACCT 25 Automated Accounting Methods & Procedures	3
CAOT Elective CAOT Elective*	4
CAOT 79 Word Processing Applications	3
GE Electives GE Electives-Plan A	6
TOTAL SEMESTER 3 UNITS	16

SEMESTER 4	UNITS
GE Electives GE Electives-Plan A	14
TOTAL SEMESTER 4 UNITS	14

*CAOT Major Electives: Choose an additional 7 units from any CAOT or CSIT course.

CERTIFICATES OF ACHIEVEMENT

CAOT – General Office

MAJOR CODE: 0514.00

RECOMMENDED COURSE SEQUENCE

SEMESTER 1	UNITS
CO SCI 901 Intro to Computers and Their Use	3
BUS 1 Introduction to Business	3
BUS 31 Business English	3
TOTAL COURSE UNITS	9

SEMESTER 2	UNITS
ACCT 1 Introductory Accounting I	5
BUS 32 Business Communications	3
CO SCI 930 Microsoft Advance Business App	4
CAOT Elective CAOT Elective*	3
TOTAL COURSE UNITS	15

SEMESTER 3	UNITS
ACCT 25 Automated Accounting Methods & Procedures	3
CAOT Elective CAOT Elective*	2
CAOT 79 Word Processing Applications	3
TOTAL COURSE UNITS	8
TOTAL CERTIFICATE UNITS	32

*CAOT Major Electives: Choose an additional 7 units from any CAOT or CSIT course.

Legal Secretary

MAJOR CODE: 0514.10

PROGRAM DESCRIPTION

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

PROGRAM LEARNING OUTCOMES (PLOs)

1. Use current and emerging computing technology to enhance business and individual productivities.
2. Be proficient in the use of general and specialized computer software and used in law offices and the courts.

- Attend to details accurately in the preparation, perfection and assembly of appropriate forms, document, exhibits, and records.
- Be knowledgeable of legal terms and definitions, and applicable federal and state laws, as they may pertain to the specialty practiced.

RECOMMENDED COURSE SEQUENCE

SEMESTER 1	UNITS
CAOT 23ABC Legal Secretarial Procedures	3
PARALEGAL 10 Intro to Law and Legal Profession	3
CAOT 39/901 Word Processing, Keyboarding, Ops	3
TOTAL SEMESTER 1 UNITS	9
SEMESTER 2	
CAOT 79 Word Processing Applications	3
CAOT 84 Microcomputer Office Applications	3
CAOT 93 Legal Document Production	2
TOTAL COURSE UNITS	9
<hr/>	
TOTAL CERTIFICATE UNITS	17

COMPUTER APPLICATION OFFICE TECHNOLOGY - WORD PROCESSING

COMPUTER SCIENCE & APPLICATION DIVISION

ASSOCIATE DEGREE

PROGRAM OVERVIEW

The Associate of Arts degree in Computer Application and Office technologies is primarily designed for career and technical education and workforce training & development. This curriculum prepares students for office administration occupation with emphasis no computer business application such as advanced word processing, electronic spreads sheet, business and computerized accounting

WORD PROCESSING

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.

MAJOR REQUIREMENTS

PROGRAM LEARNING OUTCOMES (PLOS):

Upon completion of this program, students will:

- Use current and emerging computing technology to enhance business and individual productivities.
- Create documents, presentations, spreadsheet and database for course work, professional purpose and personal use.
- Use a current accounting software package to complete an income statement and balance sheet

AWARD	TYPE	GRAD PLAN	REQ COURSES UNITS	TOTAL UNITS
Computer Application & Office Technology – Word Processing	AA	Plan B	39	60+
Computer Application & Office Technology	Cert	N/A	30	30
+ At least 60 degree applicable units (39 total major units and Plan A units) are required to earn an Associate Degree.				

ASSOCIATE OF ARTS DEGREE

CAOT – Word Processing

MAJOR CODE: 0514.00

(39 Units, Plan B) + All other West requirements for Associate Degree

REQUIRED COURSES	UNITS
ACCT 1 Introductory Accounting I	5
ACCTG 25 Automated Accounting Methods and Procedures	3
BUS 1 Introduction to Business	3
BUS 32 Business Communications	3
BUS 38 Business Computations	3
CAOT 79 Word Processing Applications	3
CO SCI 901 Introduction to Computers and Their Use	3
CO SCI 930 Microsoft Advance Business Application	4
Electives Any CAOT or CO SCI courses	12
TOTAL REQUIRED UNITS	39

ATTENTION TRANSFER STUDENTS

NOTE: Students expecting to transfer to four-year institutions should see a West Los Angeles College counselor and consult the catalogs of transfer institutions regarding specific requirements for upper-division standing.

MAJOR REQUIREMENTS



CERTIFICATE OF ACHIEVEMENT

CAOT – Word Processing

MAJOR CODE: 0514.00

REQUIRED COURSES		UNITS
ACCT 1	Introductory Accounting I	5
OR		
ACCTG 21	Bookkeeping & Accounting	3
ACCTG 25	Automated Accounting Methods and Procedures	3
BUS 31	Business English	3
BUS 32	Business Communications	3
CAOT 79	Word Processing Applications	3
CO SCI 901	Introduction to Computers and Their Use	3
CO SCI 930	Microsoft Advance Business Application	4
Electives	Any CAOT or CO SCI courses	8
TOTAL REQUIRED UNITS		30

COMPUTER NETWORK AND SECURITY MANAGEMENT

COMPUTER SCIENCE & APPLICATION DIVISION

ASSOCIATE DEGREE

PROGRAM OVERVIEW

The Computer Science Information Technology programs provide instruction to students interested in careers in computing, systems administration, computer network & security, business application, web design & development and database administration.

A Computer Science Information Technology option, Computer Network & Security Management option and Web Support & Database Administration option are offered.

Degree and certificate program in Computer network and Security Management combines CompTIA, Microsoft system administration, CISCO networking, VMware virtualization technology and other in-demand IT certification training to help students develop skills to manage and maintain industry leading computer operating and network system with security emphasis.

PROGRAM LEARNING OUTCOMES (PLOS):

Upon completion of this program, students will:

- Install, configure and manage industry standard computer operating system with security emphasis- Install, configure, manage and troubleshoot industry leading network systems
- Install and configure routers and switches internetwork operating systems
- Administer server network operating systems and infrastructure
- Understand a full range of security concepts & techniques and apply them to the network, application and information system
- Learn cloud technology and manage virtualized environments.

AWARD	TYPE	GRAD PLAN	REQ COURSES UNITS	TOTAL UNITS
Computer Network & Security Management	AA	Plan A	30	60+
Computer Network & Security Management	AS	Plan B	42	60^
Computer Network & Security Management	Cert	N/A	30	30
+ At least 60 degree applicable units (30 total major units and Plan A units) are required to earn an Associate Degree.				
+ At least 60 degree applicable units (42 total major units and Plan B units) are required to earn an Associate Degree.				



ASSOCIATE OF ARTS DEGREE

Computer Network and Security Management

MAJOR CODE: 0708.10

(30 Units, Plan A) + All other West requirements for Associate Degree. Plan A= 30 major units + 30 G.E. units.

RECOMMENDED COURSE SEQUENCE

SEMESTER 1	UNITS
CO SCI 934 Operating System	3
CO SCI 965 Intro to Computer Networks	3
GE Electives 3- GE Electives	9
TOTAL SEMESTER UNITS	15

MAJOR REQUIREMENTS

SEMESTER 2	UNITS
CO SCI 972 Intro to Cisco Network Fundamentals	3
CO SCI 980 Intro to Computer Information Security I	3
CO SCI 982 Intro to Microsoft Server OS	3
GE Electives 2- GE Electives	3
TOTAL SEMESTER UNITS	15
SEMESTER 3	UNITS
CO SCI 974 Intro to Cisco Routers	3
CO SCI 985 Network & Info Security System	3
CO SCI Elective 1-- CO SCI Elective*	3
GE Elective 2- GE Electives	6
TOTAL SEMESTER UNITS	15
SEMESTER 4	UNITS
CO SCI Elective 1 -- CO SCI Elective*	3
CO SCI Elective 1-- CO SCI Elective*	3
GE Electives 3- GE Electives	9
TOTAL SEMESTER UNITS	15
TOTAL DEGREE UNITS	60

**Major Electives: Choose 9 CO SCI elective units from the following CO SCI courses: 185, 285, 913, 916, 935, 951, 967,973, 975, 976, 977, 983, 984, 987, 988, 989, 991, or 992.*

ASSOCIATE OF SCIENCE DEGREE

Computer Network and Security Management

MAJOR CODE: 0708.10

(30 Units, Plan B) + All other West requirements for Associate Degree. Plan B= 30 major units + 18 G.E. units + 12 CS units

Microsoft and Cisco network training at WLAC prepare students to pass Microsoft and Cisco certification exams. These industry-demand certifications are important to those who wish to pursue a career working with Microsoft and CISCO network. This program helps students build core foundation for Microsoft domain network and learn Cisco router configuration techniques.

This program is also intended to help students develop skills to administer industry standards network and information system with security emphasis. The courses examine and illustrate network security with industry leading network operating system.

RECOMMENDED COURSE SEQUENCE

SEMESTER 1	UNITS
CO SCI 934 Operating System	3
CO SCI 965 Intro to Computer Networks	3
GE Electives 3- GE Electives	9
TOTAL SEMESTER UNITS	15

SEMESTER 2	UNITS
CO SCI 972 Intro to Cisco Network Fundamentals	3
CO SCI 980 Intro to Computer Information Security I	3
CO SCI 982 Intro to Microsoft Server OS	3
GE Electives 2- GE Electives	6
TOTAL SEMESTER UNITS	15

SEMESTER 3	UNITS
CO SCI 974 Intro to Cisco Routers	3
CO SCI 985 Network & Info Security System	3
CO SCI Elective 2- CO SCI Electives	6
GE Elective 1- GE Elective	3
TOTAL SEMESTER UNITS	15

SEMESTER 4	UNITS
CO SCI Elective 1- CO SCI Elective	3
CO SCI Elective 1- CO SCI Elective	3
CO SCI Elective 1- CO SCI Elective	3
CO SCI Elective 1- CO SCI Elective	3
CO SCI Elective 1- CO SCI Elective	3
TOTAL SEMESTER UNITS	15

**Major Electives: Choose 9 CO SCI elective units from the following CO SCI courses: 185,285, 913, 916, 935, 951, 967,973, 983, 984, 987, 988, 989, 991, or 992.*

ATTENTION TRANSFER STUDENTS

NOTE: Students expecting to transfer to four-year institutions should see a West Los Angeles College counselor and consult the catalogs of transfer institutions regarding specific requirements for upper-division standing.

MAJOR REQUIREMENTS



CERTIFICATE OF ACHIEVEMENT

Computer Network and Security Management

MAJOR CODE: 0708.10

Microsoft and Cisco network training at WLAC prepare students to pass Microsoft and Cisco certification exams. These industry-demand certifications are important to those who wish to pursue a career working with Microsoft and CISCO network. This program helps students build core foundation for Microsoft domain network and learn Cisco router configuration techniques.

This program is also intended to help students develop skills to administer industry standards network and information system with security emphasis. The courses examine and illustrate network security with industry leading network operating system.

RECOMMENDED COURSE SEQUENCE

SEMESTER 1	UNITS
CO SCI 934 Operating System	3
CO SCI 965 Intro to Computer Networks	3
CO SCI Elective 1– CO SCI Elective*	3
TOTAL SEMESTER UNITS	9

SEMESTER 2	UNITS
CO SCI 972 Intro to Cisco Network Fundamentals	3
CO SCI 980 Intro to Computer Information Security I	3
CO SCI 982 Intro to Microsoft Server OS	3
CO SCI Elective 1– CO SCI Elective*	3
TOTAL SEMESTER UNITS	12

SEMESTER 3	UNITS
CO SCI 974 Intro to Cisco Routers	3
CO SCI 985 Network & Info Security System	3
CO SCI Elective 1– CO SCI Elective*	3
TOTAL SEMESTER UNITS	9
TOTAL CERTIFICATE UNITS	30

*Major Electives: Choose 9 CO SCI elective units from the following CO SCI courses: 185, 285, 913, 916, 935, 951, 967, 973, 975, 976, 977, 983, 984, 987, 988, 989, 991, or 992.

COMPUTER SCIENCE INFORMATION TECHNOLOGY

COMPUTER SCIENCE & APPLICATION DIVISION

Computer programmers write, test, and maintain the detailed instructions, called programs, that computers must follow to perform their functions. Programmers also conceive, design, and test logical structures for solving problems by computer. Many technical innovations in programming—advanced computing technologies and sophisticated new languages and programming tools—have redefined the role of a programmer and elevated much of the programming work done today.

This major provides the student with the basic skills required of core computer science. Courses include programming in low-level and essential languages, data structures, database and web programming and network operating system fundamentals.

Students finishing this major are well equipped to work in the field of computer science as well as transfer to a four-year degree program in the area of Computer Science, Mathematics or Engineering.

PROGRAM LEARNING OUTCOMES (PLOS):

Upon completion of this program, students will:

- Understand the system, assess the need, develop algorithm and create a program using computing technology.
- Design, administer and maintain a database system for an organization.
- Use current and emerging computing technology to enhance business and individual productivities.
- Install, configure and administer computer network system.
- Install, configure and manage computer operating system with security settings.
- Design and develop web page, web site and web application
- Design, develop and administer an e-commerce system.
- Pursue continuing educational opportunities within the emerging field of computer technology.

MAJOR REQUIREMENTS

AWARD	TYPE	GRAD PLAN	REQ COURSES UNITS	TOTAL UNITS
Computer Science Info Tech	AA	Plan A	30	61+
Computer Science Info Tech	Cert	N/A	30	61

+ At least 60 degree applicable units (31 total major units and Plan A or Plan B units) are required to earn an Associate Degree.

ASSOCIATE OF ARTS DEGREE

Computer Science Information Technology

MAJOR CODE: 0702.00

(30 Units, Plan A) + All other West requirements for Associate Degree

Computer science program is designed to give students a strong background in the fundamentals of Computer Science, software design and development. Students will be able to document Software System requirements and use different programming languages to design, implement, test and deploy Software Solutions to solve technical/business problems. The program also covers design, administer, and maintaining databases.

RECOMMENDED COURSE SEQUENCE

SEMESTER 1	UNITS
CO SCI 902 Introduction to Computer Science	3
CO SCI 934 Operating System	
OR	
CO SCI 935 Introduction to Linux+	3
GE Electives 3- GE Electives	9
TOTAL SEMESTER UNITS	15

SEMESTER 2	UNITS
CO SCI 939 Programming in C	3
CO SCI 980 Intro to Computer Information Security I	3
GE Electives 3- GE Electives	9
TOTAL SEMESTER UNITS	15

SEMESTER 3	UNITS
CO SCI 990 Object-Oriented Programming in Java	4
CO SCI 917 Beginning Micro-Assembly Language	3
GE Electives 3- GE Electives	9
TOTAL SEMESTER UNITS	16

SEMESTER 4	UNITS
CO SCI 936 Introduction to Data Structures	3
CO SCI Electives 3- CO SCI Electives*	8
GE Elective 1- GE Elective	3
TOTAL SEMESTER UNITS	14
TOTAL DEGREE UNITS	60

*Major Electives: Choose 8 CO SCI elective units from the following CO SCI courses: 185, 285, 900, 912, 933, 934, 935, 938, 942, 953, 955, 957, 958, 959, 962, 963, 965, 967, 980, or 988.

CERTIFICATE OF ACHIEVEMENT

Computer Science Information Technology

MAJOR CODE: 0702.00

Computer science program is designed to give students a strong background in the fundamentals of Computer Science, software design and development. Students will be able to document Software System requirements and use different programming languages to design, implement, test and deploy Software Solutions to solve technical/business problems. The program also covers design, administer, and maintaining databases.

RECOMMENDED COURSE SEQUENCE

SEMESTER 1	UNITS
CO SCI 902 Introduction to Computer Science	3
CO SCI 934 Operating System	3
OR	
CO SCI 935 Introduction to Linux+	3
CO SCI Elective 1- CO SCI Elective*	3
CO SCI Elective 1- CO SCI Elective*	3
TOTAL SEMESTER UNITS	12

ATTENTION TRANSFER STUDENTS

NOTE: Students expecting to transfer to four-year institutions should see a West Los Angeles College counselor and consult the catalogs of transfer institutions regarding specific requirements for upper-division standing.

MAJOR REQUIREMENTS

SEMESTER 2	UNITS
CO SCI 939 Programming in C	3
CO SCI 980 Intro to Computer Information Security I	3
CO SCI Electives 2- CO SCI Electives*	5
TOTAL SEMESTER UNITS	11

SEMESTER 3	UNITS
CO SCI 990 Object-Oriented Programming in Java	4
CO SCI 917 Beginning Micro-Assembly Language	3
TOTAL SEMESTER UNITS	7

SEMESTER 4	UNITS
CO SCI 936 Introduction to Data Structures	3
TOTAL COURSE UNITS	3
TOTAL CERTIFICATE UNITS	30

**Major Electives: Choose CO SCI elective units from the following CO SCI courses: 185, 285, 900, 912, 933, 934, 935, 938, 942, 953, 955, 957, 958, 959, 962, 965, 967, 980, or 988.*

COMPUTER WEB SUPPORT & DATABASE ADMINISTRATION

COMPUTER SCIENCE & APPLICATION DIVISION

ASSOCIATE DEGREE

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

This program is also intended for students interested in business application, database design & programming and e-commerce. Students will be instructed in designing and maintaining databases that are used to serve dynamic data to websites.

PROGRAM LEARNING OUTCOMES (PLOS):

Upon completion of this program, students will:

- Understand how the Internet uses HTML, Client side and Server side scripting to build modern web sites.

- Design and maintain websites using HTML, CSS, and JavaScript.
- Design and develop web applications using ASP.Net, JavaScript and HTML5 technologies.
- Design and maintain databases that are used to server dynamic data to websites.
- Design and develop dynamic database applications using enterprise databases such as Oracle, Microsoft SQL Server and MySQL.
- Understand the core concepts in building an E-Commerce site that is published on the Internet.

AWARD	TYPE	GRAD PLAN	REQ COURSES UNITS	TOTAL UNITS
Computer Web Support & Database Admin	AA	Plan A	31	61*
Computer Web Support & Database Admin	AS	Plan B	31	61*

*+ At least 60 degree applicable units (31 total major units and Plan A or Plan B units) are required to earn an Associate Degree.

ASSOCIATE OF ARTS DEGREE

Computer Web Support and Database Administration

MAJOR CODE: 0709.00

(31 Units, Plan A) + All other West requirements for Associate Degree. Plan A= 31 major units + 30 G.E. units.

RECOMMENDED COURSE SEQUENCE

SEMESTER 1	UNITS
CO SCI 933 Database Design & Programming	3
CO SCI 957 Introduction to Web Development	3
CO SCI 938* Web Application Programming VB.net	3
GE Electives 2- GE Electives	6
TOTAL SEMESTER UNITS	15

SEMESTER 2	UNITS
CO SCI 953 Database Management Using Oracle	3
CO SCI 962 Web Development with JAVA Script	4
CO SCI 937* E-Commerce Essentials	3
GE Electives 2- GE Electives	6
TOTAL SEMESTER UNITS	16

MAJOR REQUIREMENTS

SEMESTER 3	UNITS
CO SCI 958 Web Page Development	4
CO SCI 988 Microsoft SQL Server	3
CO SCI Elective CO SCI Elective	2
GE Electives 2- GE Electives	6
TOTAL SEMESTER UNITS	15

SEMESTER 4	UNITS
CO SCI 963* Web Application Using ASP.net	3
GE Electives 4- GE Electives	12
TOTAL SEMESTER UNITS	15
TOTAL DEGREE UNITS	61

**Major Electives: Choose CO SCI elective units from the following CO SCI courses: 185, 285, 912, 937, 938, 952, 955, 959, 963, 967, 980, and 990.*

ASSOCIATE OF SCIENCE DEGREE

Computer Web Support and Database Administration

MAJOR CODE: 0709.00

(42 Units, Plan B) + All other West requirements for Associate Degree. Plan B= 31 major units + 18 G.E. units + 12 CS units

RECOMMENDED COURSE SEQUENCE

SEMESTER 1	UNITS
CO SCI 933 Database Design & Programming	3
CO SCI 957 Introduction to Web Development	3
CO SCI 938* Web Application Programming VB.net	3
GE Electives 2- GE Electives	6
TOTAL SEMESTER UNITS	15

SEMESTER 2	UNITS
CO SCI 953 Database Management Using Oracle	3
CO SCI 962 Web Development with JAVA Script	4
CO SCI 937* E-Commerce Essentials	3
GE Electives 2- GE Electives	6
TOTAL SEMESTER UNITS	16

SEMESTER 3	UNITS
CO SCI 958 Web Page Development	4
CO SCI 988 Microsoft SQL Server	3
CO SCI Elective CO SCI Elective*	2
GE Electives 2- GE Electives	6
TOTAL SEMESTER UNITS	15

SEMESTER 4	UNITS
CO SCI 963* Web Application Using ASP.net	3
CO SCI Elective Any CO SCI Electives*	12
TOTAL SEMESTER UNITS	15
TOTAL DEGREE UNITS	61

**Major Electives: Choose CO SCI elective units from the following CO SCI courses: 185, 912, 937, 938, 952, 955, 959, 963, 967, 980, and 990.*

CERTIFICATES OF ACHIEVEMENT

MAJOR CODE: 0709.00

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

This program is also intended for students interested in business application, database design & programming and e-commerce. Students will be instructed in designing and maintaining databases that are used to serve dynamic data to websites.

RECOMMENDED COURSE SEQUENCE

SEMESTER 1	UNITS
CO SCI 933 Database Design & Programming	3
CO SCI 957 Introduction to Web Page Design	3
CO SCI 938* Web Application Programming VB.net	3
TOTAL SEMESTER UNITS	9

SEMESTER 2	UNITS
CO SCI 953 Database Management Using Oracle	3
CO SCI 962 Web Development with JAVA Script	4
CO SCI 937* E-Commerce Essentials	3
CO SCI 963* Web Application Using ASP.net	3
TOTAL SEMESTER UNITS	13

ATTENTION TRANSFER STUDENTS

NOTE: Students expecting to transfer to four-year institutions should see a West Los Angeles College counselor and consult the catalogs of transfer institutions regarding specific requirements for upper-division standing.

MAJOR REQUIREMENTS

SEMESTER 3	UNITS
CO SCI 958 Web Page Development HTML	4
CO SCI 988 Microsoft SQL Server	3
CO SCI Elective CO SCI Elective	2
TOTAL SEMESTER UNITS	9
TOTAL CERTIFICATE UNITS	31

**Major Electives: Choose CO SCI elective units from the following CO SCI courses: 185, 285, 912, 937, 938, 952, 955, 959, 963, 967, 980, and 990.*

Business Application & Database Management

MAJOR CODE: 0701.00

This program is intended for students interested in business application, database design & programming and e-commerce. Students will be instructed in designing and maintaining databases that are used to serve dynamic data to websites.

RECOMMENDED COURSE SEQUENCE

SEMESTER 1	UNITS
CO SCI 933 Database Design & Programming	3
CO SCI 937 E-Commerce Essentials	3
CO SCI 953 Database Management Using Oracle	3
TOTAL SEMESTER UNITS	9

SEMESTER 2	UNITS
CO SCI 988 Microsoft SQL Server	3
CO SCI Elective 2- CO SCI Electives*	4
TOTAL SEMESTER UNITS	7
TOTAL CERTIFICATE UNITS	16

**Major Electives: Choose CO SCI elective units from the following CO SCI courses: 185, 285, 912, 930, 938, 955, 958, 959, 967, and 980.*

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CERTIFICATES OF ACHIEVEMENT

Computer Network Management

MAJOR CODE: 0708.10

Microsoft and Cisco network training at WLAC prepare students to pass Microsoft and Cisco certification exams. These industry-demand certifications are important to those who wish to pursue a career working with Microsoft and CISCO network. This program helps students build core foundation for Microsoft domain network and learn Cisco router configuration techniques.

RECOMMENDED COURSE SEQUENCE

SEMESTER 1	UNITS
CO SCI 972 Intro to Cisco Network Fundamentals	3
CO SCI 982 Intro to Microsoft Server OS	3
TOTAL SEMESTER UNITS	6

SEMESTER 2	UNITS
CO SCI 974 Intro to Cisco Routers	3
CO SCI Electives Choose CO SCI Electives*	8
TOTAL SEMESTER UNITS	11

TOTAL CERTIFICATE UNITS 17

**Major Electives: Choose CO SCI elective units from the following CO SCI courses: 185, 285, 385, 916, 934, 943, 951, 967, 973, 975, 976, 977, 980, 983, 984, 985, 987 and 991.*

Network & Information System Security

MAJOR CODE: 0708.10

This program is intended to help students develop skills to administer industry standards network and information system with security emphasis. The courses examine and illustrate network security with industry leading network operating system. This program is also designed to help students prepare to complete CompTIA security+ certification exam.

RECOMMENDED COURSE SEQUENCE

SEMESTER 1	UNITS
CO SCI 965 Introduction to Computer Networks	3
CO SCI 980 Intro to Computer & Info Security I	3
TOTAL SEMESTER UNITS	6

MAJOR REQUIREMENTS

SEMESTER 2	UNITS
CO SCI 985 Network & Info System Security	3
CO SCI Electives Choose CO SCI Electives*	7
TOTAL SEMESTER UNITS	10

TOTAL CERTIFICATE UNITS **16**

**Major Electives: Choose CO SCI elective units from the following CO SCI courses: 185, 285, 385, 916, 934, 951, 967, 973, 975, 976, 977, 980, 983, 984, 985, 987 and 991.*

Web Support & Administration

MAJOR CODE: 0709.00

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

RECOMMENDED COURSE SEQUENCE

SEMESTER 1	UNITS
CO SCI 938 Web Application Programming VB.net	3
CO SCI 957 Intro to Web Page Development	3
TOTAL SEMESTER UNITS	6

SEMESTER 2	UNITS
CO SCI 958 Web Development Using HTML	4
CO SCI 962 Web Programming Using JavaScript	4
CO SCI Elective Choose CO SCI Electives*	3
TOTAL SEMESTER UNITS	11
TOTAL CERTIFICATE UNITS	17

**Major Electives: Choose CO SCI elective units from the following CO SCI courses: 185, 285, 912, 937, 952, 955, 963, 967, 980, and 990.*

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CERTIFICATE OF ACHIEVEMENT

Mobile Application Development

MAJOR CODE: 0707.10

The Certificate of Achievement in Mobile Application Development provides students with a high quality education that prepares them for professional career in mobile Application development. The curriculum prepares students to develop mobile application for popular platforms such as

Android and Apple IOS. Students will be able to pursue careers in the following areas such as software engineer, web and mobile application developer.

This program of study is designed to prepare students to work successfully as a member of a Mobile Application Development team. Upon completion of the required courses, the students can apply for Certificate of Achievement in Mobile Application Development.

REQUIRED COURSES	UNITS
CO SCI 939 Programming in C	3
CO SCI 955 Programming for Mobile App	3
CO SCI 957 Intro to Web Develop HTML & CSS	3
CO SCI 959 Advanced Programming for Android	3
CO SCI 990 Object Oriented Programming Java	3
REQUIRED UNITS	15
TOTAL CERTIFICATE UNITS	15

CORRECTIONS

SOCIAL SERVICES DIVISION



SKILL CERTIFICATES*

Note: Skill certificates are not state-approved and are not included on transcripts. Only students completing state-approved degrees and/or certificates may participate in commencement.

**Departments offering Skills Certificates are responsible for their issuance.*

Corrections

MAJOR CODE: 2105.10

	UNITS
ADM JUS 8 Juvenile Procedures	3
ADM JUS 39 Probation and Parole	3
ADM JUS 75 Introduction to Corrections	3
ADM JUS 309 Correctional Interviewing & Counseling	3
CORR 2 Correctional Institutions	3
SKILL CERTIFICATE UNITS REQUIRED	15

Juvenile Corrections Officer

MAJOR CODE: 2105.09

	UNITS
ADM JUS 260 Juvenile Institution Counselor Core	8
SKILL CERTIFICATE UNITS REQUIRED	8