

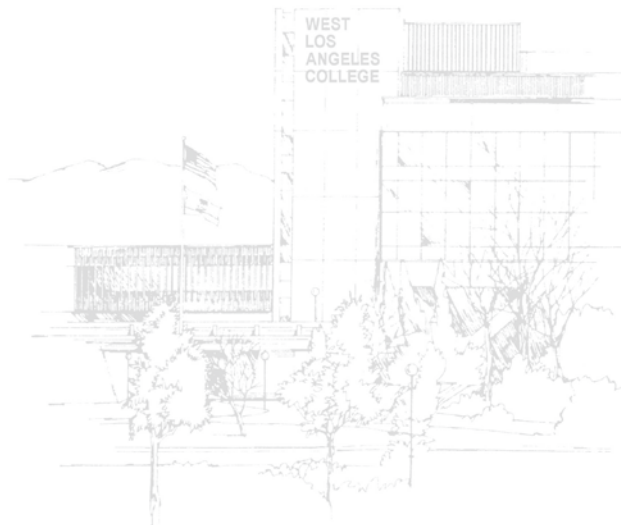
# “D” Majors

*Click on the major below to get to the exact page.*

## DENTAL HYGIENE

The following section details the required curriculum for every degree and certificate program offered at the college. Students must complete all course requirements to petition for a skill certificate or state-approved Certificate of Achievement. In order to be eligible for an Associate degree, students must fulfill all major courses, all West general education requirements (Plan A or Plan B), and all other graduation requirements for a total of at least 60 units. Students should refer to “Graduation Requirements” (in the “Academics” section of this catalog) for additional information. Students are also encouraged to seek assistance from counselors and faculty.

Transfer students should consult the Transfer Center or the Counseling Office for major preparation and general education requirements for the particular transfer institution of their choice. Transfer students who want to obtain an Associate degree may select one of the Liberal Arts and Science degrees which require completion of the West, CSU, or IGETC general education core and at least 18 units of coursework in an approved area of emphasis (see Liberal Arts & Science Section for details).



<b>REQUIRED COURSES</b>		<b>UNITS</b>
CO SCI 972	Introduction to Cisco Network Fundamentals	3
CO SCI 974	Introduction to Cisco Routers	3
CO SCI 982	Introduction to Microsoft Server Operating System	3
<b>ELECTIVES (8 UNITS FROM THE FOLLOWING)</b>		
CO SCI 913	Apple Care Administrator	3
CO SCI 967	Linux.Apache.MySQL.Virtual and Cloud Computing	3
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 987	Information Storage Management/Virtual Server	3
CO SCI 988	Microsoft SQL Server	3
CO SCI 989	Microsoft Exchange Server	3
CO SCI 991	Cisco Router Laboratory	1
CO SCI 992	Computer A+ Hardware Laboratory	1
<b>TOTAL UNITS</b>		<b>17</b>

**CERTIFICATE OF ACHIEVEMENT - COMPUTER SCIENCE INFORMATION TECHNOLOGY**

**MAJOR CODE 0702.00**

(30 UNITS)

<b>REQUIRED COURSES</b>		<b>UNITS</b>
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
<b>ELECTIVES (8 UNITS FROM THE FOLLOWING)</b>		
	Any CO SCI courses	8
<b>TOTAL UNITS</b>		<b>30</b>

**CERTIFICATE OF ACHIEVEMENT - COMPUTER WEB SUPPORT & DATABASE ADMINISTRATION**

**MAJOR CODE 0709.00**

(31 UNITS)

<b>REQUIRED COURSES</b>		<b>UNITS</b>
CO SCI 933	Database Design (Microsoft Access)	3
CO SCI 938	Web Application Programming Using VB.net	3
CO SCI 953	Database Management Using Oracle	3
CO SCI 957	Introduction to Web Page Development	3
CO SCI 962	Web Programming Using JavaScript	4
CO SCI 963	Web Application Using ASP.net	3

**ELECTIVES (12 UNITS FROM THE FOLLOWING)**

CO SCI 937	E-Commerce Essentials	3
CO SCI 952	Web Page Development Using Macromedia Flash	3
CO SCI 958	Web Development Using HTML	4
CO SCI 967	Linux.Apache.MySQL.Virtual and Cloud Computing	3
CO SCI 980	Introduction to Computer and Information Security I	3
CO SCI 982	Introduction to Microsoft Server Operating System	3
CO SCI 987	Information Storage Management/Virtual Server	3
CO SCI 988	Microsoft SQL Server	3
CO SCI 989	Microsoft Exchange Server	3
CO SCI 990	Object Oriented Programming in Java	4
<b>TOTAL UNITS</b>		<b>31</b>

**CERTIFICATE OF ACHIEVEMENT - WEB SUPPORT AND ADMINISTRATION**

**MAJOR CODE 0709.05**

(16 UNITS)  
 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 (16 UNITS FROM THE FOLLOWING)**

CO SCI 933	Database Design and Programming	3
CO SCI 937	E-Commerce Essentials	3
CO SCI 938	Web Application Programming Using VB.net	3
CO SCI 952	Web Design Using Flash	3
CO SCI 953	Database Management Using Oracle	3
CO SCI 957	Introduction to Web Page Design	3
CO SCI 958	Web Page Development Using HTML	3
CO SCI 962	Web Development with JAVA Script	4
CO SCI 963	Web Application Using ASP.net	3
CO SCI 967	Linux.Apache.MySQL.Virtual and Cloud Computing	3
CO SCI 988	Microsoft SQL Server	3
CO SCI 990	Object-Oriented Programming in Java	4
<b>TOTAL UNITS</b>		<b>16</b>

**CORRECTIONS**

(SEE ADMINISTRATION OF JUSTICE)

**DENTAL HYGIENE**

**ASSOCIATE DEGREES**

The Associate of Science degree in Dental Hygiene is primarily designed for vocational education and workforce training/development. The curriculum is not aligned with course requirements for transfer to a specific major at a four-year college or university.

## MAJOR REQUIREMENTS

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, MEND Dental Clinic, Kid's Dental Clinic 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/](http://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.

*NOTE: Courses are open only to students accepted into the Dental Hygiene Program. Students must complete all Plan B General Education Requirements for an associate degree. The Health requirement is waived for students accepted into the hygiene program. See a counselor for your Plan B general education requirements.*

### PROGRAM ENTRANCE

REQUIRED COURSES		29 UNITS
CHEM 60	Introduction to General Chemistry OR	5
CHEM 51	Fundamentals of Chemistry I	5
MICRO 20	General Microbiology	4
ANATOMY 1	Introduction to Human Anatomy	4
PHYSIOL 1	Introduction to Human Physiology	4
ENGLISH 101	College Reading and Composition I	3
PSYCH 1	General Psychology I	3
SOC 1	Introduction to Sociology	3
SPEECH 101	Oral Communication I	3
<b>TOTAL UNITS</b>		<b>29</b>

## ASSOCIATE OF SCIENCE DEGREE

(ADMISSION BY SPECIAL SELECTION)

### MAJOR CODE 1240.20

(60 UNITS, PLAN B) + All other West requirements for Associate Degree

FIRST SEMESTER - FALL		UNITS
DEN HY 100	Principles of Clinical Dental Hygiene	2
DEN HY 101	Clinical Dental Hygiene	2
DEN HY 102	Radiology I - Introduction to Radiology	1
DEN HY 103	Radiology I - Laboratory	1
DEN HY 104	Dental Morphology	2
DEN HY 105	General Pathology	2
DEN HY 106	Anatomy of the Head and Neck	2
DEN HY 109	Infection Control in Dentistry	1
DEN HY 150	Preventive Dentistry	2

SECOND SEMESTER - SPRING		UNITS
DEN HY 88	Dental Hygiene Developmental Clinic	1
DEN HY 108	Introduction to Periodontics	2
DEN HY 151	Clinical Dental Hygiene II	3
DEN HY 152	Special Patient Care	1
DEN HY 153	Radiology II - Interpretation	1
DEN HY 154	Oral Pathology	2
DEN HY 156	Histology & Embryology of Oral Tissues	2
DEN HY 207	Pain Control	1
DEN HY 209	Pain Control Lab	1
DEN HY 256	Biochemical Nutrition	3

THIRD SEMESTER - FALL		UNITS
DEN HY 155	Dental Materials	2
DEN HY 200	Cariology and Occlusion	1
DEN HY 201	Clinical Dental Hygiene III	4
DEN HY 203	Expanded Functions - Laboratory	1
DEN HY 204	Dental Health Education	1
DEN HY 205	Dental Health Education - Practicum	1
DEN HY 206	Periodontics	1
DEN HY 208	Pharmacology	3
DEN HY 88	Developmental Clinic	1

FOURTH SEMESTER - SPRING		UNITS
DEN HY 210	Emergencies in Dental Practice	1
DEN HY 250	Advanced Periodontal Seminar	1
DEN HY 251	Clinical Dental Hygiene IV	5
DEN HY 252	Essentials of Dental Hygiene Practice	2
DEN HY 253	Community Dental Health	1
DEN HY 254	Community Dental Health - Practicum	1
DEN HY 88	Dental Hygiene Developmental Clinic	1
DEN HY 260	Research Design and Methodology	1
<b>TOTAL UNITS</b>		<b>60</b>