“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).
CERTIFICATE OF ACHIEVEMENT - COMPUTER WEB SUPPORT & DATABASE ADMINISTRATION

MAJOR CODE 0709.00

(31 UNITS)

REQUIRED COURSES

<table>
<thead>
<tr>
<th>COURSE</th>
<th>TITLE</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CO SCI 933</td>
<td>Database Design (Microsoft Access)</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>CO SCI 937</td>
<td>E-Commerce Essentials</td>
</tr>
<tr>
<td>CO SCI 953</td>
<td>Database Management Using Oracle</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>CO SCI 952</td>
<td>Web Design Using Flash</td>
</tr>
<tr>
<td>CO SCI 938</td>
<td>Web Application Programming Using VB.net</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>CO SCI 963</td>
<td>Web Application Using ASP.net</td>
</tr>
<tr>
<td>CO SCI 962</td>
<td>Web Development Using JAVA Script</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>CO SCI 987</td>
<td>Information Storage Management/Virtual Server</td>
</tr>
<tr>
<td>CO SCI 982</td>
<td>Introduction to Computer and Information Security I</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>CO SCI 988</td>
<td>Microsoft SQL Server</td>
</tr>
<tr>
<td>CO SCI 989</td>
<td>Microsoft Exchange Server</td>
<td>3</td>
</tr>
</tbody>
</table>

ELECTIVES (9 UNITS FROM THE FOLLOWING)

ANY COURSE NOT TAKEN FROM ABOVE OR

<table>
<thead>
<tr>
<th>COURSE</th>
<th>TITLE</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CO SCI 930</td>
<td>Advanced Microsoft Application Software</td>
<td>4</td>
</tr>
<tr>
<td>CO SCI 934</td>
<td>Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>CO SCI 935</td>
<td>Introduction to Linux+</td>
<td>3</td>
</tr>
<tr>
<td>CO SCI 948</td>
<td>Advanced Spreadsheet for Business Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CO SCI 981</td>
<td>Administering Computer Networks and Security</td>
<td>3</td>
</tr>
<tr>
<td>CO SCI 985</td>
<td>Network and Information System Security</td>
<td>3</td>
</tr>
<tr>
<td>CO SCI 987</td>
<td>Information Storage Management/Virtual Server</td>
<td>3</td>
</tr>
<tr>
<td>CO SCI 990</td>
<td>Object-Oriented Programming in Java</td>
<td>4</td>
</tr>
</tbody>
</table>

TOTAL UNITS 31

CERTIFICATE OF ACHIEVEMENT - WEBSITE SUPPORT AND ADMINISTRATION (LOW UNIT)

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

<table>
<thead>
<tr>
<th>COURSE</th>
<th>TITLE</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CO SCI 933</td>
<td>Database Design and Programming</td>
<td>3</td>
</tr>
<tr>
<td>CO SCI 937</td>
<td>E-Commerce Essentials</td>
<td>3</td>
</tr>
<tr>
<td>CO SCI 938</td>
<td>Web Application Programming Using VB.net</td>
<td>3</td>
</tr>
<tr>
<td>CO SCI 952</td>
<td>Web Design Using Flash</td>
<td>3</td>
</tr>
<tr>
<td>CO SCI 953</td>
<td>Database Management Using Oracle</td>
<td>3</td>
</tr>
<tr>
<td>CO SCI 957</td>
<td>Introduction to Web Page Design</td>
<td>3</td>
</tr>
<tr>
<td>CO SCI 958</td>
<td>Web Page Development Using HTML</td>
<td>3</td>
</tr>
<tr>
<td>CO SCI 962</td>
<td>Web Development with JAVA Script</td>
<td>4</td>
</tr>
<tr>
<td>CO SCI 963</td>
<td>Web Application Using ASP.net</td>
<td>3</td>
</tr>
<tr>
<td>CO SCI 967</td>
<td>Linux.Apache.MySQL.Virtual and Cloud Computing</td>
<td>3</td>
</tr>
<tr>
<td>CO SCI 987</td>
<td>Information Storage Management/Virtual Server</td>
<td>3</td>
</tr>
<tr>
<td>CO SCI 988</td>
<td>Microsoft SQL Server</td>
<td>3</td>
</tr>
<tr>
<td>CO SCI 990</td>
<td>Object-Oriented Programming in Java</td>
<td>4</td>
</tr>
</tbody>
</table>

TOTAL UNITS 16

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.

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, 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/ 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 5
OR
CHEM 51 Fundamentals of Chemistry I 5
MICRO 20 General Microbiology 4
ANATOMY 1 Introduction to Human Anatomy 4
PHYSIO 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

TOTAL UNITS 29

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 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 6
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

TOTAL UNITS 60

ECONOMICS

ASSOCIATE DEGREES

The Associate of Arts degree in Economics includes coursework that aligns with specific lower-division major requirements for the Economics major at 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 with a major in Economics may also consider the Associate of Arts degree in Liberal Arts and Sciences (Behavioral and Social Sciences 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.

Careers in business, education, writing, and government are open to individuals with advanced study in the field of Economics.