DNCE 277 Classical Jazz Production I (.5 - 1)
1½, 2 or 3 hours laboratory
Transfer acceptability: *CSU; UC*
Rehearsal and performance for dance concerts, outreach, and special events.

DNCE 278 Modern Jazz Production I (.5 - 1)
1½, 2 or 3 hours laboratory
Transfer acceptability: *CSU; UC*
Rehearsal and performance for dance performance, outreach, and special events.

DNCE 279 Tap Production I (.5 - 1)
1½, 2 or 3 hours laboratory
Transfer acceptability: *CSU; UC*
Rehearsal and performance for dance concerts, outreach and special events.

DNCE 280 Student Choreography Production I (1.5, 2)
4½ or 6 hours laboratory
Corequisite: *DNCE 146*
Transfer acceptability: *CSU; UC*
Rehearsal and performance for dance concerts.

DNCE 281 Summer Dance Workshop (1.5, 2)
1 or 1½ hours lecture - 1½, 2 or 3 hours laboratory
Limitation on enrollment: *Enrollment subject to audition*
Transfer acceptability: *CSU; UC*
Concentrated work in a variety of dance genres. Specific content is composed of various dance styles, techniques and rehearsal/performance opportunities.

DNCE 282 Classical Ballet Production II (.5-1)
1½ - 3 hours laboratory
Transfer acceptability: *CSU; UC*
Further explores the rehearsal and performance experience of a classical ballet. This second experience concentrates on smaller ensemble work and solos, resulting in multiple performances of the same work on a proscenium stage.

DNCE 285 Student Choreography Production II (1.5-2)
4½ - 6 hours laboratory
Corequisite: *Dance 146*
Transfer acceptability: *CSU; UC*
Further explores the rehearsal and performance of a student-based choreography focusing on smaller ensemble and solo work.

DNCE 287 Classical Jazz Production II (.5-1)
1½ - 3 hours laboratory
Transfer acceptability: *CSU; UC*
Further explores the rehearsal and performance experience of a classical jazz work in the style of 1940's-1960's Hollywood/concert jazz styles. This second experience focuses on small ensemble work, solo work and musicality.

DNCE 288 Modern Jazz Production II (.5-1)
1½ - 3 hours laboratory
Transfer acceptability: *CSU; UC*
Further explores the rehearsal and performance experience in current Jazz styles. This second experience focuses on small ensemble work, solos, and musicality.

DNCE 289 Tap Production II (.5-1)
1½ - 3 hours laboratory
Transfer acceptability: *CSU; UC*
Further explores the rehearsal and performance experience of tap choreography. Concentrates on small ensemble work and solos, resulting in multiple performances of the same work on a proscenium stage.

DNCE 290 World Dance Production II (1-2)
½ - 1 ½ hours lecture - 1½ - 3 hours laboratory
Transfer acceptability: *CSU; UC*
Further explores the rehearsal and performance experience of World Dance. This second experience focuses on small ensemble work and musicality.

DNCE 296 Independent Projects in Dance (1, 1.5, 2)
1, 1½ or 2 hours lecture
Transfer acceptability: *CSU; UC*
Fostering creative research and independent study projects in dance.

DNCE 297 Experimental Projects in Dance (1, 1.5, 2)
½, 1 or 1 ½ hours lecture - 1½, 2 or 3 hours laboratory
Transfer acceptability: *CSU; UC – Credit determined by UC upon review of course syllabus.*
Advanced dance projects including individual research, tutoring, and performance for college classes and community projects.

Database

See CSIT - Information Technology

Dental Assisting (DA)

Contact the Dental Assisting Program for further information.
(760) 744-1150, ext. 2571
Office: HS-107

Associate in Science Degrees -

AS Degree requirements are listed in Section 6 (green pages).
• Dental Assisting (Registered Dental Assistant)

Certificates of Achievement -

Certificate of Achievement requirements are listed in Section 6 (green pages).
• Dental Assisting (Registered Dental Assistant)

PROGRAM OF STUDY

The Registered Dental Assisting Program is accredited by the Commission on Dental Accreditation of the American Dental Association, and is approved by the Dental Board of California.

Certification and Licensing; Upon successful program completion, student will be issued Certificates in Dental Radiography, Coronal Polishing, Pit and Fissure Sealants, California Practice Act and Infection Control. Students who successfully complete the program are eligible to take the California Registered Dental Assistant Examination to become licensed as a California Registered Dental Assistant (RDA); and are eligible to take the nationally recognized Certified Dental Assistant (CDA) Examination offered by the Dental Assisting National Board (DANB).

ADMISSION REQUIREMENTS

Admission to the Registered Dental Assisting Program is by special application. To be eligible for admission, applicants must:

1. Complete Palomar College Application for Admission;
2. Attend a Registered Dental Assisting Program orientation meeting;
3. Show proof of high school graduation or equivalent by submitting official transcripts, or proof of a passing score on the General Education Development test (GED);
4. Take a Palomar College English Assessment Test and be eligible for English 50 or 100 or ESL 103 or demonstrate completion of a similar, equivalent college English course(s);
5. Submit medical, vision and dental clearances including Hepatitis B series and TB test results;
6. Meet academic requirements as specified on the Registered Dental Assisting Program website and Palomar College Catalog;
7. Show proof of a valid Social Security number.
8. Have a minimum GPA of 2.0.
9. Be a minimum age of 18 years.

Dental Assistants must have good vision, hearing, and the ability to communicate orally. In addition, they must have the ability to comprehend and interpret written information; and the dexterity to use small dental instruments.

Registered Dental Assisting

A.S. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT

To remain enrolled in the program, students must earn a minimum grade of "C" (2.0) in each of the required courses. Students must pass laboratory and clinical evaluations at 75% competency or a substandard grade will be assigned for the course. A student may fail a dental assisting course on the basis of clinical practice even though theory grades may be passing.

Admission to the Dental Assisting program is by special application. The Dental Assisting program must be completed within two years or the student may need to repeat all required Dental Assisting courses. Contact the department for more information. NOTE: For course repetition purposes, federal financial aid would not be available to students who have already attempted and/or completed required Dental Assisting courses.

Program Requirements		**Units**
*DA 50	Introduction to Dental Sciences and Dental Occupations	3
*DA 57	Dental Sciences and Anatomy	3
ENG 50	Introductory Composition	4
	or	
ENG 100	English Composition	4
	or	
ESL 103	Written Communication III	5
	Proof of current BLS for Healthcare Providers Certificate	0
First Semester		
DA 60	Dental Materials	3
DA 65	Dental Practice Management	2
DA 70	Dental Radiography I	2.5
DA 75	Dental Operative Procedures	5
DA 82	Preventive Dentistry I	1.5
Second Semester		
DA 71	Dental Radiography II	.5
DA 83	Preventive Dentistry II	.5
DA 85	Advanced Dental Procedures	5
DA 90	Clinical Rotation	6
TOTAL UNITS		**36 - 37**

*Must have completed DA 50 and DA 57 with a grade of "C" or better prior to admission into the Dental Assisting Program.

COURSE OFFERINGS

Courses numbered under 50 are non-degree courses.
Courses numbered under 100 are not intended for transfer credit.

DA 47 Dental Assisting Topics (.5 - 4)
Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture and/or laboratory may be scheduled by the department. Refer to Class Schedule.
Note: *Pass/No Pass grading only*
Non-degree Applicable
Topics in Dental Assisting. See Class Schedule for specific topic offered. Course title will designate subject covered.

DA 50 Introduction to Dental Sciences and Dental Occupations (3)
3 hours lecture
Note: *Graded only*
General orientation to dental assisting. Introduction to basic oral anatomy, oral hygiene techniques and prevention, human behavior, dental nomenclature, dental assisting, history of dentistry, ethics, role of the dental assistant and other auxiliary personnel; licensing and certification of dental assistants; dental jurisprudence and malpractice; California Dental Practice Act, psychology and observation in dental offices.

DA 57 Dental Sciences and Anatomy (3)
3 hours lecture
Note: *Graded only*
Introduction of dental terminology, histology, embryology, tooth growth, eruption, and anatomy; head and neck anatomy, and physiology of the body. Form and function of individual teeth, occlusion, oral pathology, diet and nutrition, relation of oral health to general health, microbiology, disease control and dental pharmacology.

DA 60 Dental Materials (3)
3 hours lecture - 1 hour laboratory
Prerequisite: *Admission to the Registered Dental Assisting Program*
Note: *Graded only*
Chemical properties and uses of dental materials and solutions; manipulative techniques and methods of preparation.

DA 65 Dental Practice Management (2)
2 hours lecture - 1 hour laboratory
Prerequisite: *Admission to the Registered Dental Assisting Program*
Note: *Graded only*
Reception and care of the patient in the dental office, communication skills, telephone techniques, appointment scheduling, dental computer software, dental records (charting health and dental history), filing, bookkeeping, accounts receivable and accounts payable, inventory management, principles of and use of insurance forms and collections.

DA 70 Dental Radiography I (2.5)
2 hours lecture - 2 hours laboratory
Prerequisite: *Admission to the Registered Dental Assisting Program*
Note: *Graded only*
Theory and technique of oral radiography, radiation hygiene, anatomical landmarks, and methods and materials for processing radiographs using film and dental radiography. The laboratory portion will provide the student with knowledge concerning film and digital sensor placement, cone angulation, exposing and developing radiographs, and mounting and evaluating processed films and digital radiographs.

DA 71 Dental Radiography II (.5)
1½ hours laboratory
Prerequisite: *A minimum grade of 'C' in DA 50 and 70, and proof of Hepatitis B Immunization; and current BLS for Healthcare Providers Certificate*
Note: *Graded only*
Advanced clinical experience regarding film and digital sensor placement, cone angulation, exposing and developing radiographs, mounting and evaluating radiographs.

DA 75 Dental Operative Procedures (5)
3 hours lecture - 6 hours laboratory
Prerequisite: *Admission to the Registered Dental Assisting Program*
Note: *Graded only*
Applications of and introduction to preclinical dental assisting in operative and specialty dental procedures, care of equipment, instrumentation, infection control, disease transmission, charting, utilization of dental materials, dental office emergencies, and functions delegated to the California Registered Dental Assistant.

DA 82 Preventive Dentistry I (1.5)
1 hour lecture - 1½ hours laboratory
Prerequisite: *Admission to the Registered Dental Assisting Program*
Note: *Graded Only*
This course teaches laboratory and clinical applications of coronal polishing, periodontics, preventive dentistry and placement of pit and fissure sealants.

DA 83 Preventive Dentistry II (.5)
2 hours laboratory
Prerequisite: *A minimum grade of 'C' in DA 82*
Note: *Pass/No Pass grading only*
Application of concepts and skills from DA 82. Emphasis is on the coronal polishing procedure and pit and fissure sealants as applied to clinical patients.

See Catalog addendum at http://www.palomar.edu/catalog

DA 85 Advanced Dental Procedures (5)
3 hours lecture - 6 hours laboratory
Prerequisite: *A minimum grade of 'C' in DA 50 , 60 and 75, and proof of Hepatitis B Immunization; and current BLS for Healthcare Providers Certificate*
Note: *Graded only*
Advanced laboratory and clinical experience focusing on basic skills previously learned. Emphasis is placed on 1) clinical use of impression materials for obtaining study models, 2) pouring and trimming plaster and stone models, 3) fabrication of custom trays, 4) fabrication of provisional restorations, and 5) advanced prosthodontic and orthodontic instruction.

DA 90 Clinical Rotation (6)
19 hours laboratory/clinical
Prerequisite: *A minimum grade of 'C' in DA 50 and 75, and proof of Hepatitis B Immunization; and current BLS for Healthcare Providers Certificate*
Note: *Pass/No Pass only*
An intensive program of clinical dental experiences, working with patients and staff at clinics and/or private dental offices. Students will assist the dentists in specialized and operative procedures and duties delegated to the California licensed Registered Dental Assistant.

DA 97 Dental Assisting Topics (.5 - 4)
Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture and/or laboratory may be scheduled by the department. Refer to Class Schedule.
Note: *Pass/No Pass only*
Topics in Dental Assisting. See Class Schedule for specific topic offered. Course title will designate subject covered.

Diesel Mechanics Technology (DMT)

Contact the Trade and Industry Department for further information.
(760) 744-1150, ext. 2545
Office: T-102A

Associate in Science Degrees -
AS Degree requirements are listed in Section 6 (green pages).
• Diesel Technology

Certificates of Achievement -
Certificate of Achievement requirements are listed in Section 6 (green pages).
• Diesel Technology

PROGRAM OF STUDY

Diesel Technology

The Diesel Technology program at Palomar College gives the student an opportunity to gain the skills and knowledge needed for success in the challenging field of Diesel Technology, learning about servicing and maintaining diesel powered highway trucks, off-road heavy equipment, and stationary engines. The two-year program which leads to a Certificate of Achievement can also be applied towards an Associate in Science Degree in Diesel Technology.

A.S. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT

Program Requirements		Units
DMT 100	Introduction to Diesel Mechanics	4
DMT 105	Heavy-Duty Diesel Tune-Up/Analysis	4
DMT 110	Heavy-Duty Electricity	4
DMT 120	Air Brake Systems	4
DMT 125	Truck Transmission and Drive Lines	4
DMT 200	Diesel Engine Rebuilding I	4
DMT 201	Diesel Engine Rebuilding II	4
Electives (Select 4 units)		
AT 160	Associated Studies in Automotives	3
CE 100	Cooperative Education	1 - 4
DMT 115	Alternative Fuels	4
DMT 130	Medium-Duty Diesel Engine Tune-Up	4
DMT 135	Basic Hydraulics	4
DMT 196	Special Problems In Diesel Technology	0.5 - 3
DMT 197	Diesel Mechanics Technology Workshop	0.5 - 3
IT/WELD 108	Technical Mathematics	3
	or	
MATH 56	Beginning/Intermediate Algebra	6
	or	
MATH 60	Intermediate Algebra	4
	or	
MATH 100	Exploring Mathematics	3
WELD 100	Welding I	3
TOTAL UNITS		**32**

COURSE OFFERINGS

Courses numbered under 100 are not intended for transfer credit.

DMT 100 Introduction to Diesel Mechanics (4)
3 hours lecture - 3 hours laboratory
Transfer acceptability: *CSU*
Theory and practice of fundamental skills for the maintenance and operation of basic diesel engines. Topics for study include: basic theory of operation; engine applications; engine lubricating and cooling; intake, exhaust and fuel systems; and electronic control.

DMT 105 Heavy-Duty Diesel Tune Up and Engine Analysis (4)
3 hours lecture - 3 hours laboratory
Prerequisite: *A minimum grade of 'C' in DMT 100*
Transfer acceptability: *CSU*
The use of software and diagnostic equipment in performing diesel tune-up. Topics include: theory of operation, tune-up procedures, fuel system function and repair, diagnostic equipment usage, electronic engine controls, mechanical and electronic engine system troubleshooting.

DMT 110 Heavy-Duty Electricity (4)
3 hours lecture - 3 hours laboratory
Transfer acceptability: *CSU*
Heavy-duty electricity systems principles and service. Topics of study include electrical theory, batteries, wiring diagrams, 12V and 24V starters, alternators and electrical troubleshooting, and test equipment.

DMT 115 Alternative Fuels (4)
3 hours lecture - 3 hours laboratory
Recommended preparation: *DMT 100*
Transfer acceptability: *CSU*
Theory and servicing of alternative fueled engines. Topics for study include various types of fuels, fuel handling and safety procedures, basic principles, regulators and mixers, all system components operation and service, electronic control systems, and emission testing.

DMT 120 Air Brake Systems (4)
3 hours lecture - 3 hours laboratory
Transfer acceptability: *CSU*
The service and repair of heavy duty hydraulic and air brake systems and their components. Topics of study include brake troubleshooting, complete system repair, anti skid brake system, and related axle services.

DMT 125 Truck Transmission and Drive Lines (4)
3 hours lecture - 3 hours laboratory
Transfer acceptability: *CSU*
Service and repair of heavy duty truck drive lines. Topics for study include the disassembly, inspection and reassembly of single and multiple disc clutches, four to fifteen speed transmissions, universal joints, and differentials.