



Department of Restorative Dentistry Dental Laboratory Technology Program

(To be renamed Restorative Dental Technology Program Fall of 2017)

Division of Health Sciences Information Packet

<http://www.pasadena.edu/divisions/health-sciences/dlt>



Graduation Students Class of 2016

Applications may be downloaded from the following website:
<http://www.pasadena.edu/divisions/health-sciences/dlt/>

**Pasadena City College
Restorative Dentistry R-505
1570 East Colorado Boulevard
Pasadena, CA 91106
(Tel.) 626-585-7200
(Fax) 626-585-3168**

**Pasadena City College
Health Sciences Division Office W-202
1570 East Colorado Boulevard
Pasadena, CA 91106
(Tel.) 626-585-3378
(Fax) 626-585-7977**



**Division of Health Sciences
Department of Restorative Dentistry**

Dear Dental Laboratory Technology Program Applicant:

Thank you for your inquiry regarding our Certificate of Achievement in Dental Laboratory Technology (*to be renamed Restorative Dental Technology Fall of 2017*). Enclosed with this letter is a Packet of Information that further describes the Program, Certificate and career field.

We are presently accepting applications for our upcoming fall class. We invite you to contact us as soon as possible to schedule an appointment to take the mandatory manual and written Dexterity Examinations. Examination times are by appointment only; you may make arrangements by calling the Restorative Dentistry Testing and Admissions Coordinator at (626) 585-7200. Plan to spend approximately two and a half hours in the Restorative Laboratory on your examination day. After examinations are concluded, there will an opportunity to tour our fixed and removable laboratories and ask questions. Dexterity Examinations consist of three short hand and eye coordination examinations plus one short dimension test. The manual portion of the examination involves creating a timed sculpture of a human canine tooth OR a timed drawing of an upper human canine tooth. Applicants will receive instructions in all of the above examinations areas prior to actually taking each examination and there will be a short time to practice before timing begins. The Program will provide all examination materials. We suggest that applicants prepare by carving a piece of ordinary soap into various geometric shapes or the scales of a fish using a small knife or by sculpting human tooth shapes from clay. Candidates may also practice by drawing images of the human canine tooth.

Financial Aid is available to students who qualify. It is important to contact the Financial Aid Office located in the Student Services building, room L-110 as soon as possible to find out if you qualify and how to complete the necessary applications. Counselors are available to assist you with the registration process, necessary transcripts, enrollment to the college and your option to obtain the Associate in Arts

or Associate in Science degree while you complete your Dental Laboratory Technology Major. You may reach a counselor by calling (626) 585-7251 or you may visit their offices located in the Student Services Building, room L-104. You must apply for admission to the college prior to requesting appointments with the financial aid office or with counselors; therefore, apply for admission as soon as possible to facilitate your entrance into our Certificate Program.

The Application for Admission (separate form) to the Dental Laboratory Technology Certificate Program is available online at <http://www.pasadena.edu/divisions/health-sciences/dlt>. Please complete it as neatly and thoroughly as possible and bring it with you along with your official high school and/or college transcripts on your Dexterity Examination day. Alternately, you may return it by mail (our address is on the cover page of this packet).

The Department of Restorative Dentistry at Pasadena City College has been educating dental technologists in the related specialty areas for over forty-nine years. Our placement rate is better than 84% and is at a level we are proud of. Many of the finest restorative dental laboratories in greater Los Angeles are owned or supervised by our alumni. We appreciate your interest in attending our college and being a student of Restorative Dentistry. We look forward to meeting you in person.

My best to all,

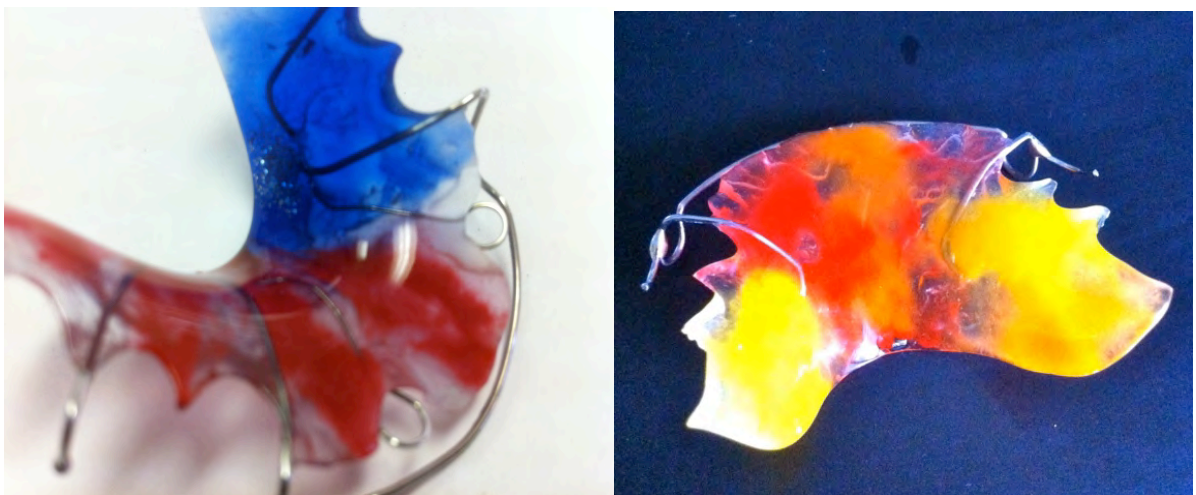
Anita M. Bobich

Assistant Professor Anita M. Bobich, B.A., C.D.T.

Program Administrator

Department of Restorative Dentistry

Dental Laboratory Technology Program



Orthodontic Retainers Created by Students in Class of 2013

Applications may be downloaded from the following website:

<http://www.pasadena.edu/divisions/health-sciences/dlt/>

**DIVISION OF HEALTH SCIENCES
DEPARTMENT OF RESTORATIVE DENTISTRY
DENTAL LABORATORY TECHNOLOGY CERTIFICATE INFORMATION**

<http://www.pasadena.edu/divisions/health-sciences/dlt>

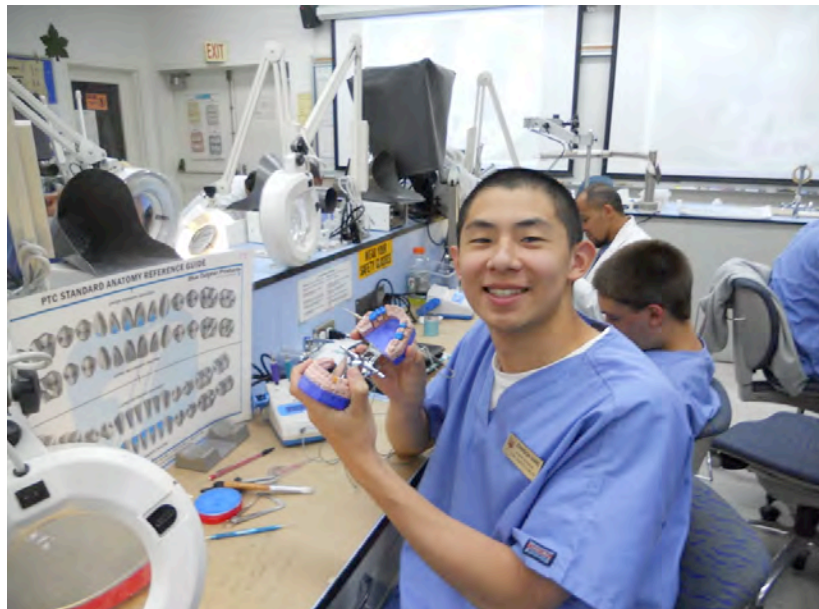
(626) 585 – 7200

The Certificate of Achievement in Dental Laboratory Technology, which is part of the Department of Restorative Dentistry, is fully accredited by the Commission on Dental Accreditation (CODA) of the American Dental Association (ADA), a specialized accrediting body recognized by the United States Department of Education. The Department of Restorative Dentistry is also a member of the National Association of Dental Laboratories (NADL). Upon successful completion of the curriculum, a student is eligible to take the Recognized Graduate Certified Dental Technician Examination administered by the National Board for Certification of Dental Laboratory Technicians.

A Certificate of Achievement is awarded by Pasadena City College upon completion of all required courses with a grade of “C” or better. The student must petition for the Certificate of Achievement.

The curriculum prepares the student for employment in a private or commercial dental laboratory or dental office performing laboratory techniques and procedures. Emphasis is on the fundamental restorative laboratory procedures including all five specialized areas: dentures, crown and fixed partial dentures, ceramics, removable partial dentures, and orthodontics and pedodontics. Studies also include advanced instruction in all specialties.

Students have the option of obtaining their Associate in Science Degree majoring in Health Sciences. However, interested students must work directly with a college counselor who will assist them in developing a Student Educational Plan that will include the additional general education requirements for the Associate’s Degree.



Student Class of 2013

DENTAL LABORATORY TECHNOLOGY PROGRAM

(To be renamed to Restorative Dental Technology Program Fall of 2017)

MISSION STATEMENT

The mission of the Dental Laboratory Technology Program (Restorative Dental Technology Program) in offering its Certificate of Achievement is to provide a high-quality, academically and technically rigorous curriculum, a state-of-the-art laboratory facility, learning activities and laboratory projects carefully designed to prepare students for successful attainment of a Certificate of Achievement in Dental Laboratory Technology and employment in a dental laboratory after the completion of a two-year curriculum.

The Dental Laboratory Technology Program (Restorative Dental Technology Program) is committed to creating a stimulating educational environment that will develop Dental Technologists who are capable of critical thinking, problem solving, and decision-making. The Program is dedicated to cultivating and demonstrating multicultural and special needs sensitivity towards its students. The American Dental Association Commission on Dental Accreditation (CODA) has nationally accredited the Dental Laboratory Technology Program (Restorative Dental Technology Program) since 1967; the Program will continue to meet or exceed CODA standards. The Program will prepare graduates eligible to become Certified Dental Technologists by taking the National Board for Certification written and practical examinations. Furthermore, the Program pledges to work under the guidance of its Restorative Dentistry Advisory Committee to assure that it continues to offer dynamic restorative dental curriculum that produces qualified and competent restorative technologists who will have a sound foundation enabling them to adapt quickly to changing technology.



Alumnus back for a recent visit



Students Class of 2015 Working Intently on a Soldering Project

DENTAL LABORATORY TECHNOLOGY

(To be renamed Restorative Dental Technology Fall of 2017)

PROGRAM GOALS

The Dental Laboratory Technology (Restorative Dental Technology) Program serves its students by:

1. Providing **access** and support to a challenging learning environment, consistent with dental **industry standards and technological advancements**.
2. Promoting **student success** that supports **academic achievement, technical skills, critical thinking, and work force readiness**.
3. Comprehensively preparing **competent individuals** as defined by industry standards to enter Dental Technology careers.
4. Instilling personal and professional behaviors that address **ethical values, communication skills and social responsibilities**.
5. Fostering faculty and students to be **life long learners that are self reflective of skills and abilities**.
6. Sustaining a **diverse** curriculum enriched with appreciation for **multicultural opportunities and community partnerships**.



Senior Students Class of 2015 Fabricating Removable Prostheses for Patients



Professor and Student Reviewing a Patient Case

DENTAL LABORATORY TECHNOLOGY

(To be renamed Restorative Dental Technology Fall of 2017)

PROGRAM STUDENT LEARNING OUTCOMES

The Dental Laboratory Technology (Restorative Dental Technology)

Program will prepare students who, upon completing the Program, will be assessed on their ability to:

1. Demonstrate competence in performing basic and advanced level laboratory procedures and techniques required to design and fabricate fixed and removable dental prostheses and basic orthodontic appliances appropriate for an entry-level dental technologist as verified by skills and knowledge specified in the American Dental Association (ADA) Commission on Dental Accreditation (CODA) Standards for Dental Laboratory Technology.
2. Apply basic knowledge of physical properties, uses and manipulation of dental materials to insure proper materials are used in correct proportions for specific restorative procedures and that appropriate safety and disposal procedures are followed.
3. Design and fabricate fixed and removable dental prostheses that follow appropriate tooth form and function and take into consideration structures of the oral cavity, determinants of occlusal morphology, and physiology of mandibular movements.
4. Use oral, non-verbal, and written communication skills for effective professional interactions in the dental office or laboratory setting.
5. Function as a member of a diverse dental team demonstrating cultural sensitivity and no biases.
6. Be prepared to continue developing their dental, community and world awareness through attending conventions, lectures, and workshops as well as active participation in professional/non-professional organizations.

7. Apply ethical and legal principles to the dental laboratory workplace and apply regulatory considerations related to bloodborne diseases.
8. Demonstrate work practices and safety protocols that promote a safe environment.
9. Secure employment as an entry-level dental technologist.
10. Successfully challenge the Recognized Graduate Examination (first step in becoming a Board Certified Dental Laboratory Technologist as granted by the National Board for Certification in Dental Laboratory Technology).
11. Be prepared to transfer to a college or university for upper level studies in the health fields.



**Class of 2015 Volunteering at the Nov. 2014
CDA Cares Event in Sacramento, CA**



Above Left and Right: Pasadena City College, Dept. of Restorative Dental Technology
Volunteers from both first and second year students participating at Care Harbor Los Angeles.



February 2016 Journal of Dental Technology 25

First Year Students Class of 2017 Volunteering at the CARE HARBOR Event At Los Angeles Sports Arena November 2015

DENTAL LABORATORY TECHNOLOGY (To be renamed Restorative Dental Technology Fall of 2017) BASIC COMPETENCIES ACHIEVED BY STUDENTS

According to Commission on Dental Accreditation (CODA) Accreditation Standards 2.16-2.21 (rev. 2014) the following are measurable competencies that assess the student's ability to function competently in their role as a dental technologist. Thus, prior to graduation from the Program the student will be able to demonstrate competence in:

GENERAL LABORATORY TECHNIQUES

- *Evaluating impressions*
- *Preparing and evaluating casts*
- *Fabricating custom impression trays*
- *Articulating casts, using non-adjustable and semi-adjustable articulators*
- *Developing functional occlusion on articulated casts*
- *Recognizing variables that affect materials*
- *Various manufacturing methods*

COMPLETE DENTURES

- *Identifying various fabricating methods*
- *Constructing base plates and occlusion rims*
- *Arranging a balanced set-up using anatomical teeth*
- *Contouring denture wax-ups prior to try-in and processing*

- *Flasking, processing and recovery*
- *Remounting procedures*
- *Equilibrating occlusal discrepancies*
- *Finishing and polishing*
- *Using a semi-adjustable articulator during fabrication*
- *Relining and denture repairs*
- *Fabricating surgical templates*

REMOVEABLE PARTIAL DENTURES

- *Identifying the components of a removable partial denture, including various clasp designs*
- *Applying the principles of survey and design*
- *Performing blockout procedures*
- *Duplicating master casts*
- *Transferring the design*
- *Fabricating wax pattern*
- *Spruing and investing patterns*
- *Burnout and casting RPD frameworks utilizing recognized alloys*
- *Finishing and polishing frameworks*
- *Evaluating the fit of the RPD framework to the master cast*
- *Arranging teeth on the frameworks*
- *Waxing, processing, recovering and finishing removable partial denture bases*
- *Various repair procedures*

CROWN AND BRIDGE

- *Preparing and evaluating casts with removable dies*
- *Recognizing variables that affect materials*
- *Identifying various fabricating methods*
- *Trimming dies and marking margins utilizing magnification*
- *Identifying various margin and preparation designs and their applications*
- *Developing wax patterns*
- *Spruing and investing patterns*
- *Burnout and casting restorations*
- *Seating castings to dies utilizing magnification*
- *Adjusting occlusal and interproximal contacts*
- *Finishing and polishing restorations*
- *Fabricating multi-unit restorations*
- *Fabricating restorations on various types of articulators*
- *Developing functional occlusion on full-arch articulated casts*
- *Soldering as a fabrication/repair procedure*

DENTAL CERAMICS

- *Preparing and evaluating casts with removable dies*
- *Recognizing variables that affect materials*
- *Identifying various fabricating methods*
- *Trimming dies and marking margins utilizing magnification*
- *Identifying various margin and preparation designs and their application*
- *Designing and developing substructure patterns*
- *Processing patterns*
- *Seating ceramic restoration utilizing magnification*
- *Preparing substructure to receive porcelain*
- *Applying and firing porcelain to substructure*
- *Contouring fired porcelain*
- *Performing optical external characterization*
- *Designing and fabricating porcelain margins*
- *Demonstrating safe handling of all equipment associated with ceramic restorations*

ORTHODONTICS

- *Recognizing variables that affect materials*
- *Preparing and evaluating study casts*
- *Identifying the components of orthodontic appliances*
- *Identifying and categorizing types of appliances*
- *Fabricating retainers, space maintainers and tooth moving appliances*
- *Contouring various types of arch wires, clasps and springs*
- *Fabricating, finishing and polishing autopolymerizing resin appliances*
- *Soldering and band placement*
- *Repairing orthodontic appliances*



**Laboratory Project completed by a
first year student Class of 2017**

ELIGIBILITY FOR ENTRANCE INTO THE CERTIFICATE OF ACHIEVEMENT IN THE DENTAL LABORATORY TECHNOLOGY PROGRAM

To be renamed Restorative Dental Technology Program Fall of 2017)

1. Graduation from a U.S. accredited high school, GED, or the equivalent (such as officially translated/evaluated transcripts* from a high school or college in another country) with a 2.0 grade point average.
2. A DENTAL LABORATORY TECHNOLOGY (*Restorative Dental Technology beginning Fall 2017*) Application for Admission signed, dated and filled out completely.
3. Satisfactory scores on Manual Dexterity and Hand/Eye Coordination Exams that are given by appointment with the RESTORATIVE DENTISTRY Admissions Coordinator. Please call 626-585-7200 to schedule an appointment.
4. One official U.S. high school transcript or official GED Certificate or official Equivalency Report from one of the college's acceptable companies; NOT required if Associate or higher degree is already posted on official U.S. college transcripts. *
5. One official transcript from ALL U. S. colleges and universities attended including Pasadena City College. *

*** UNOFFICIAL TRANSCRIPTS AND PHOTOCOPIES OF DIPLOMAS ARE NOT ACCEPTABLE.**

Please note that upon acceptance to the DENTAL LABORATORY TECHNOLOGY (*RESTORATIVE DENTAL TECHNOLOGY beginning Fall 2017*) PROGRAM the College's Records Office will also require a second set of official transcripts.

Incomplete applications will not be considered in the selection process.

Applications may be downloaded from the below website or picked up in person from the School of Health Sciences Office located in W204 or picked up directly from the Department of Restorative Dentistry office located in R505.

Applications may downloaded at:

<http://www.pasadena.edu/divisions/health-sciences/dlt/>

PREREQUISITES FOR ENTRY IN THE PROGRAM

None, all applicants are welcomed!



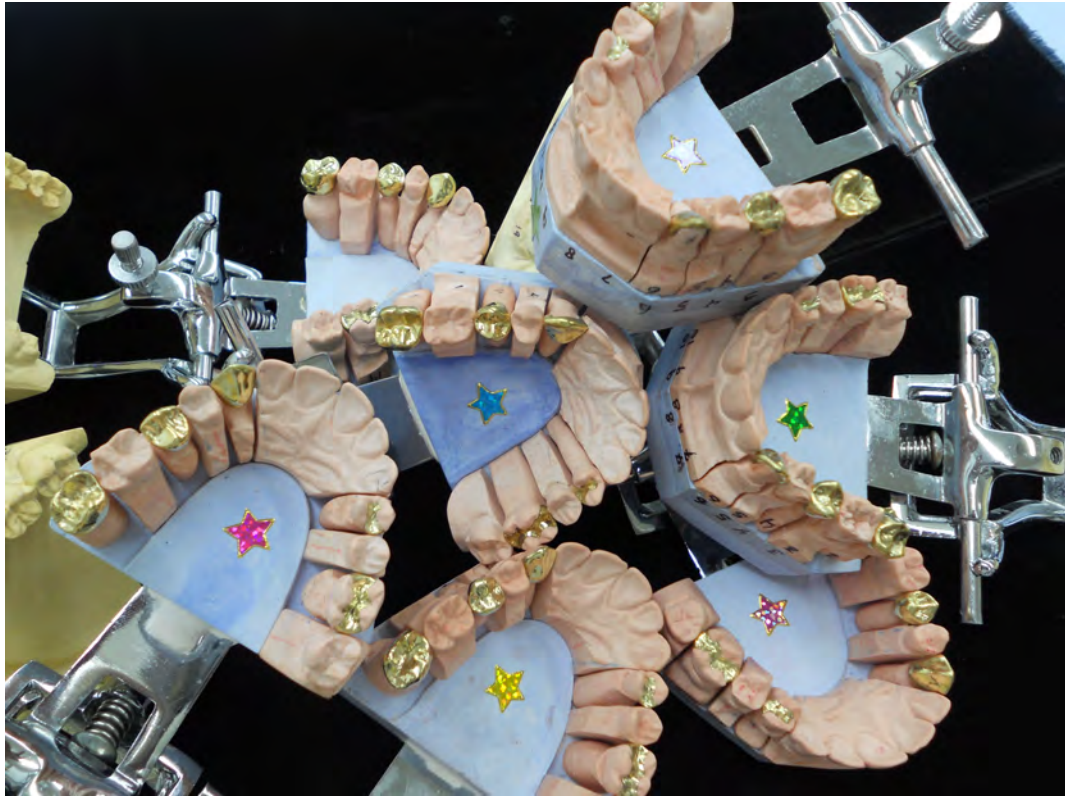
Students Class of 2012



First Year Student's Wax Sculptures

Applications may downloaded at:

<http://www.pasadena.edu/divisions/health-sciences/dlt/>



Laboratory Projects From First Year Students Class of 2016

INFECTION CONTROL GUIDELINES * HEALTH AND SAFETY PROGRAM * REGULATORY COMPLIANCE

The prevention of cross contamination and transmission of infection to all persons, including: Patients, Dental Health Care Professionals (DHCP), faculty, students, and non-clinical staff are the professional responsibility of all dental personnel. PCC Restorative Dentistry, Dental Assisting and Dental Hygiene Programs have adopted policies and procedures that represent a comprehensive and practical infection control program, based upon federal guidelines (Center for Disease Control). Restorative Dentistry is also Federal Drug Administration (FDA) compliant, has a comprehensive Health and Safety Program, abides by Occupational Health and Safety Administration regulations, and follows infection control guidelines as set forth by the National Association of Dental Laboratories (NADL).

A fundamental principle of an effective infection control program is to exercise care, precautions and effective control techniques that can keep infectious microbes within manageable limits of the body's normal resistance to disease. Individuals at high risk of infectious diseases (HBV, HCV and HIV) among DHCP are those who perform tasks that might involve contact with blood, blood-contaminated body substances, other body fluids,

Applications may downloaded at:

<http://www.pasadena.edu/divisions/health-sciences/dlt/>

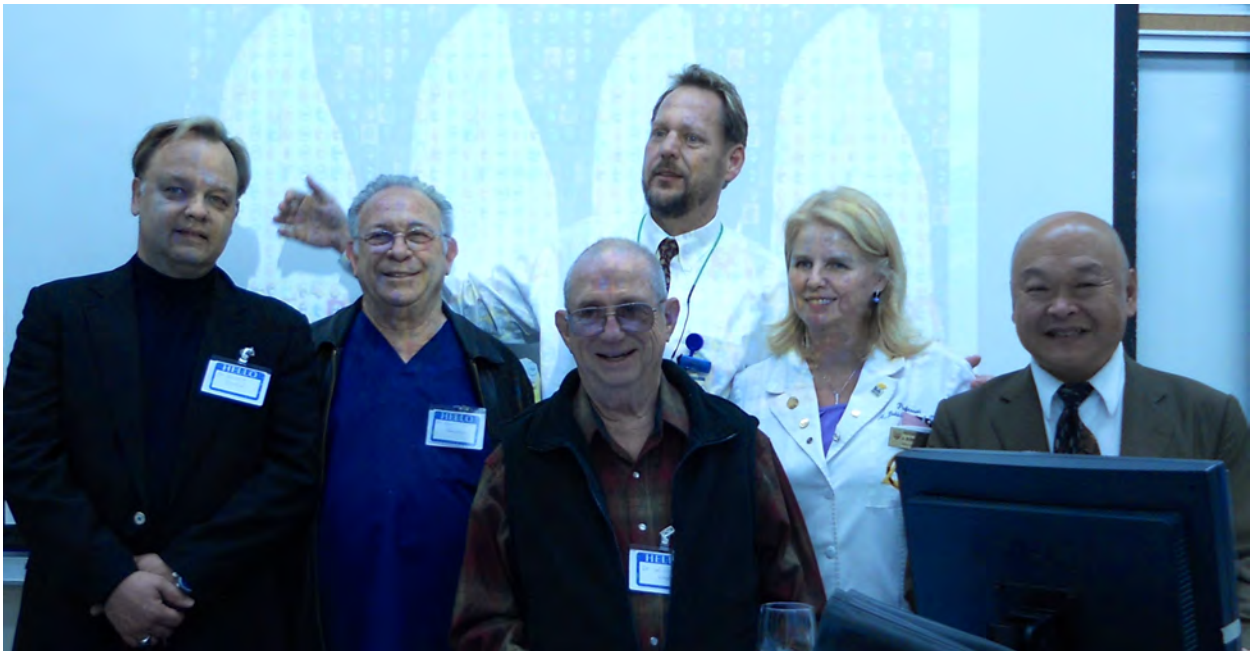
or sharps should be vaccinated. Vaccination can protect both DHCP and patients from infectious diseases and whenever possible should be completed when DHCP are in training and before they have contact with blood. Compliance with these policies and procedures are an ethical obligation and responsibility of all participants in the delivery of dental care at PCC.

Guidelines for Infection Control in Dental Health Care Setting – 2003, 12/19/03
52(RR17); 1–61

<http://www.cdc.gov/mmwrhtml/rr5217a.htm>.

Summary of Infection Prevention Practices in Dental Settings:

<http://www.cdc.gov/oralhealth/infectioncontrol/pdf/safe-care.pdf>



Meet Some of the 34 Restorative Dentistry Industry Advisors

The DENTAL LABORATORY TECHNOLOGY PROGRAM is accredited by the Commission on Dental Accreditation and has been granted the accreditation status of "Approval without reporting requirements". The Commission is a specialized accrediting body recognized by the United States Department of Education. The Commission on Dental Accreditation can be contacted at (312) 440-4653 or at 211 East Chicago Avenue, Chicago, IL 60611. The Commission's web address is: <http://www.ada.org/100.aspx>.

Applications may downloaded at:

<http://www.pasadena.edu/divisions/health-sciences/dlt/>



Students Class of 2012

STUDENTS WITH FOREIGN TRANSCRIPTS

Students with foreign transcripts must have their transcripts evaluated by one of the following three agencies:

ACEI Academic Credentials Evaluation Institute
P.O. Box 6908
Beverly Hills, CA 90212
Telephone: (310) 275-3530
Fax: (310) 275-3528
www.acei1.com

AERC American Education Research Center
P.O. Box 996
West Covina, CA 91793
Telephone: (626) 339-4404
Fax: (626) 339-9081
www.aerc-eval.com

IERF International Education Research Foundation Credential Evaluation Service
P.O. Box 3665
Culver City, CA 90231
Telephone: (310) 258-9451
Fax: (310) 342-7086
www.ierf.org

Applications may downloaded at:

<http://www.pasadena.edu/divisions/health-sciences/dlt/>

RECOMMENDED ELECTIVES at PCC

Art 25, 34A
Business 13, 116
Dental Assisting 110
English 450
Counseling 10, 11, 12, 17

Recommended electives helping students prepare for studying Restorative Dentistry include but are not limited to courses in sculpture, color and composition, metals and processes, basic biology, business and vocational opportunities, CAD (Computer-Aided-Design) and CAM (Computer-Aided-Manufacture) as well as psychology. In addition, courses in jewelry making, microbiology, study skills and the English language are highly recommended.

It is strongly recommended that the student complete non-Dental coursework prior to beginning their Restorative Dental Technology Program. The Program is rigorous and challenging and students will generally not be able to manage additional classes during the semesters they are in the Program.



Second Year Student Working Under the Stereoscope

Applications may downloaded at:

<http://www.pasadena.edu/divisions/health-sciences/dlt/>



First Year Students Attending a Workshop With Their Classmates in the Dental Assisting Program



Second Year Students Discussing Stain and Glaze Procedures

Applications may downloaded at:

<http://www.pasadena.edu/divisions/health-sciences/dlt/>

THE APPLICATION PROCESS

The Department of Restorative Dentistry accepts applications to its Certificate Program in Dental Laboratory Technology on a year round basis. Admission is for the fall semester. Applicants are encouraged to follow the steps below for successful application:

1. Gather all needed documentation (transcripts) as noted in the ELIGIBILITY SECTION.
2. Obtain the Restorative Dentistry Application Form. Applications can be downloaded from the following website: [www.pasadena.edu/divisions/healthsciences/dental laboratory technology](http://www.pasadena.edu/divisions/healthsciences/dental%20laboratory%20technology) or obtained directly from the Division of Health Sciences Office W204.
3. Complete the Application thoroughly.
4. Call the Restorative Dentistry Testing Coordinator to schedule Manual Dexterity and Hand and Eye Coordination Examinations 626-585-7200.
5. Submit the completed Application and transcripts on the day of the Dexterity Examination or sooner.



**First Year Students Class of 2017
Departing for a Field Trip to Esthetic Professionals**

APPLICATION MAY BE DOWNLOADED AT:
<http://www.pasadena.edu/divisions/health-sciences/dlt/>

SELECTION CRITERIA

Applicants to the Dental Laboratory Technology (*Restorative Dental Technology beginning Fall 2017*) Program will receive written notification of their acceptance status as well as information regarding the next steps in the process within one week of application. Placement on the alternate list will guarantee acceptance for the following year. Enrollment is determined by the applicant pool and is competitive.

The Restorative Dentistry Selection Committee will prioritize applications based on the following criteria:

1. First priority will be given to students who have fully completed and submitted all parts as noted in the ELIGIBILITY SECTION.
2. Second priority will be based on performance of the Manual Dexterity and Hand/Eye Coordination Examinations.
3. Third priority will be based on the date all items in the ELIGIBILITY SECTION were submitted



Class of 2016 in Robinson Stadium For Graduation



Students Class of 2011 While on Internships

ADDITIONAL PROGRAM REQUIREMENTS

1. Once accepted, students **must also apply** to Pasadena City College to actually begin enrolling in Dental Laboratory Technology (DLT) courses. Applications to the College are available in the Admissions Office, L113 or on the PCC website at www.pasadena.edu/apply
2. After acceptance into the Program, students **must return** to the Program Administrator a Health Science Program Health Requirements Form completed and signed **by a licensed physician and the PCC Health Office** evidencing good health and fitness to participate in a Health Sciences Program of study. The Health Requirements Form includes evidence of required immunizations, chest x-ray or Mantoux test, indications of any allergies to nickel, monomer, latex, and polymer, or other allergies and evidence of the Hepatitis B vaccination or written declination of the Hepatitis B vaccination.
3. Students must provide their own transportation to off-campus clinical experience (internship) laboratory sites.
4. A mandatory uniform (dark blue scrubs) is required during all lecture and laboratory sessions as well as during the off-campus clinical experience (internship). Students will be required to purchase regulation scrubs from the designated vendor prior to Orientation Day and are to arrive in class wearing their scrubs during the Orientation Session. Instructions regarding purchase shall be provided in the Orientation Letter emailed during the month of June.

APPLICATION MAY BE DOWNLOADED AT:

<http://www.pasadena.edu/divisions/health-sciences/dlt/>

5. Students must maintain a 2.0 grade point average. A grade C or better is required in all coursework needed for the Certificate of Achievement in Dental Laboratory Technology. A student will not be permitted to the next course(s) in the Program Course Sequence if any course grade falls below a "C"; such courses must be retaken and raised to a "C" grade or better in order to be eligible to advance to higher-level courses in the Program.
6. Regular attendance is mandatory. Dismissal will result if absences exceed College policy.



Legendary Thanksgiving Potluck Classes of 2010–2011

PROGRAM EXPENSES

Cost of textbooks and syllabi, uniform, instrument kit, student health fee, parking fees, for the entire two-year program will total approximately \$3,500. Tuition is calculated separately at \$46.00 per unit and will total \$2,994.00 for 64 units of college credit, see: <http://www.pasadena.edu/admissions/fees/>

APPLICATION MAY BE DOWNLOADED AT:

<http://www.pasadena.edu/divisions/health-sciences/dlt/>

FINANCIAL AID

Financial aid is available to students who qualify. It is important to contact the Financial Aid Office located in Building L, Room 110 as soon as possible to find out if you qualify and how to complete the necessary applications. You may contact Financial Aid directly at 626-585-7401 or by linking to:

<http://www.pasadena.edu/studentservices/financialAid/index.cfm>



Laboratory Projects First Year Students Class of 2013

COUNSELORS

Counselors are available to assist you with the registration process, necessary transcripts, enrollment to the college, and your option to obtain the Associate in Science degree while you complete your Restorative Dental Technology Program. Designated Health Sciences counselors are: Amy Cheung, Andrea Lane and Desiree Zuniga. All are located in Building L, Room 104. You may contact the Counseling Office directly at 626-585-7251. A link to instructions for making a counseling appointment is as follows:

<http://www.pasadena.edu/studentservices/counseling/appointment.cfm>

APPLICATION MAY BE DOWNLOADED AT:

<http://www.pasadena.edu/divisions/health-sciences/dlt/>



**Second Year Student Class of 2016
Building Porcelain on His Ceramic Case**



**Various Orthodontic Appliances Created by
Second Year Students Class of 2012**

APPLICATION MAY BE DOWNLOADED AT:

<http://www.pasadena.edu/divisions/health-sciences/dlt/>

WHILE A STUDENT IN THE DENTAL LABORATORY TECHNOLOGY PROGRAM

DENTAL LABORATORY TECHNOLOGY PROGRAM COURSE SEQUENCE 2016-2017

FIRST (JUNIOR) YEAR:

Fall Semester-16 Weeks		Winter Session-6 Weeks		Spring Semester-16 Weeks	
DLT 113A Comp. Dentures	4.0 units	DLT 116B Inter. Dent. Anatomy	1.5 units	DLT 109 Dent. Materials	2.0 units
DLT 114A Crown & Bridge	4.0 units	DLT 200C Dir. Stud. Lab. Tech. (1 st Year)	1.0 unit	DLT 113B Comp. Dentures	4.0 units
DLT 115 Morphology	0.5 units			DLT 114B Crown & Bridge	4.0 units
DLT 116A Beg. Dent. Anatomy	1.5 units			DLT 116C Adv. Dent. Anatomy	2.5 units
DLT 200A Dir. Stud. Lab Tech. (1 st Year)	1.0 unit			DLT 200B Dir. Stud. Lab. Tech. (1 st Year)	1.0 unit
Math 400A&B or Math 402 4.0 units (May be completed during any semester in Program, but recommended during Summer Session between Year One and Year Two)					
TOTAL NO. OF UNITS	11.0 UNITS	TOTAL NO. OF UNITS	2.5 UNITS	TOTAL NO. OF UNITS	13.5 UNITS

SECOND (SENIOR YEAR):

Fall Semester-16 Weeks		Winter Session-6 Weeks		Spring Semester-16 Weeks	
DLT 116D Highly Adv. Dent. Anat.	2.5 units	DLT 125 Clinical Experience	3.5 units	DLT 118B Ceramics	6.0 units
DLT 117 Ortho. & Pedodontics	2.0 units	DLT 201B Dir. Stud. Lab. Tech. (2 nd Year)	1.0 unit	DLT 119B Partial Dentures	2.0 units
DLT 118A Ceramics	4.0 units			DLT 124 Dent. Lab. Mngmt.	2.0 units
DLT 119A Partial Dentures	4.0 units			DLT 126 Transition to Industry	2.0 units
DLT 201A Dir. Stud. Lab. Tech. (2 nd Year)	1.0 unit			DLT 201C Dir. Stud. Lab. Tech. (2 nd Year)	1.0 unit
Speech 1 or Speech 10 3.0 units (May be completed during any semester in Program, but recommended during Summer Session between Year One and Year Tw)					
TOTAL NO. OF UNITS	12.5 UNITS	TOTAL NO. OF UNITS	4.5 UNITS	TOTAL NO. OF UNITS	13.0 UNITS

**NUMBER OF UNITS TO COMPLETE THE CERTIFICATE OF ACHIEVEMENT IN
DENTAL LABORATORY TECHNOLOGY: 65 UNITS (Including Math and Speech)**

APPLICATION MAY BE DOWNLOADED AT:

<http://www.pasadena.edu/divisions/health-sciences/dlt/>

INDIVIDUAL COURSE LISTING BY NUMBER AND NAME

DLT 109	Dental Materials
DLT 113A/B	Complete Dentures
DLT 114A/B	Crown and Bridge
DLT 115	Morphology
DLT 116A/B/C/D	Dental Anatomy
DLT 117	Orthodontics & Pedodontics
DLT 118A/B	Ceramics
DLT 119A/B	Partial Dentures
DLT 124	Dental Laboratory Management
DLT 125	Clinical Experience
DLT 126	Transition to Dental Laboratory Industry
DLT 200A/B/C	Directed Studies in Basic, Intermediate and Advanced Dental Laboratory Techniques (Sequence of laboratory courses to reinforce laboratory skills, concepts, and knowledge for FIRST YEAR students)
DLT 201A/B/C	Directed Studies in Basic, Intermediate, and Advanced Dental Laboratory Techniques (Sequence of laboratory courses to reinforce laboratory skills, concepts, and knowledge for SECOND YEAR students)
MATH 400A/B <u>or</u> MATH 402	Pre-Algebra (Only One Math Course or the Equivalent is Required)
SPEECH 1 <u>or</u> 10	Speech Course (Only One Speech Courses is Required)

TOTAL NUMBER OF REQUIRED UNITS TO COMPLETE THE CERTIFICATE OF ACHEIVEMENT IN DENTAL LABORATORY TECHNOLOGY: 65 Units
Dental (58 units) + Math 400A/B or Math 402 (4 units) + Speech 1or 10 (3 units) = 65 units

Consult with a PCC Counselor to determine additional general education courses required for Associate's in Science (A.S.) degree completion. Required courses may be completed during summer preceding Semester I Fall for Junior Students. Degree is highly recommended.



Wax Design Project Second Year Student Class of 2014

Applications may be downloaded from the following website:

<http://www.pasadena.edu/divisions/health-sciences/dlt/>

A CAREER PROFILE

- There are more than 38,000 active dental technicians and 7,000 Restorative Dental Technologists (formally educated and/or certified) in the U.S. today.
- Dental Technologists follow dentists' written instructions and make dental prostheses (replacements) for natural teeth that enable patients who have lost some or all of their teeth to eat, chew, talk and smile in a manner that is similar to the way they did before losing their teeth.
- Skill in using small hand instruments, accuracy, artistic ability and attention to minute detail are the hallmarks of the qualified Dental Technologist.
- The majority of Dental Technologists work in commercial dental laboratories, which on average employ between 3–5 technicians. There are also larger laboratories employing more than 10 technicians and some with more than 100 technicians. Additionally, some dentists employ Dental Technologists in their private dental offices.
- Employment opportunities may also be available in dental schools, hospitals, maxillofacial laboratories, and companies that manufacture dental prosthetic materials. Dental Technology education programs also offer teaching positions for qualified technologists.
- Since most dentists utilize laboratory services, employment opportunities in this field are excellent.
- The American Dental Association has stated, “Dental technicians can earn salaries **equal to personnel in other health care occupations** with similar training and experience”...“Technicians can realize **significant satisfaction** and rewards in commercial laboratories or may **choose to be self-employed** by opening independent laboratories”
- According to O-Net Online, Dental Laboratory Technicians are listed in the top 10 Hot Technologies involving Computer-Aided-Manufacturing software: http://www.onetonline.org/search/hot_tech/detail/3



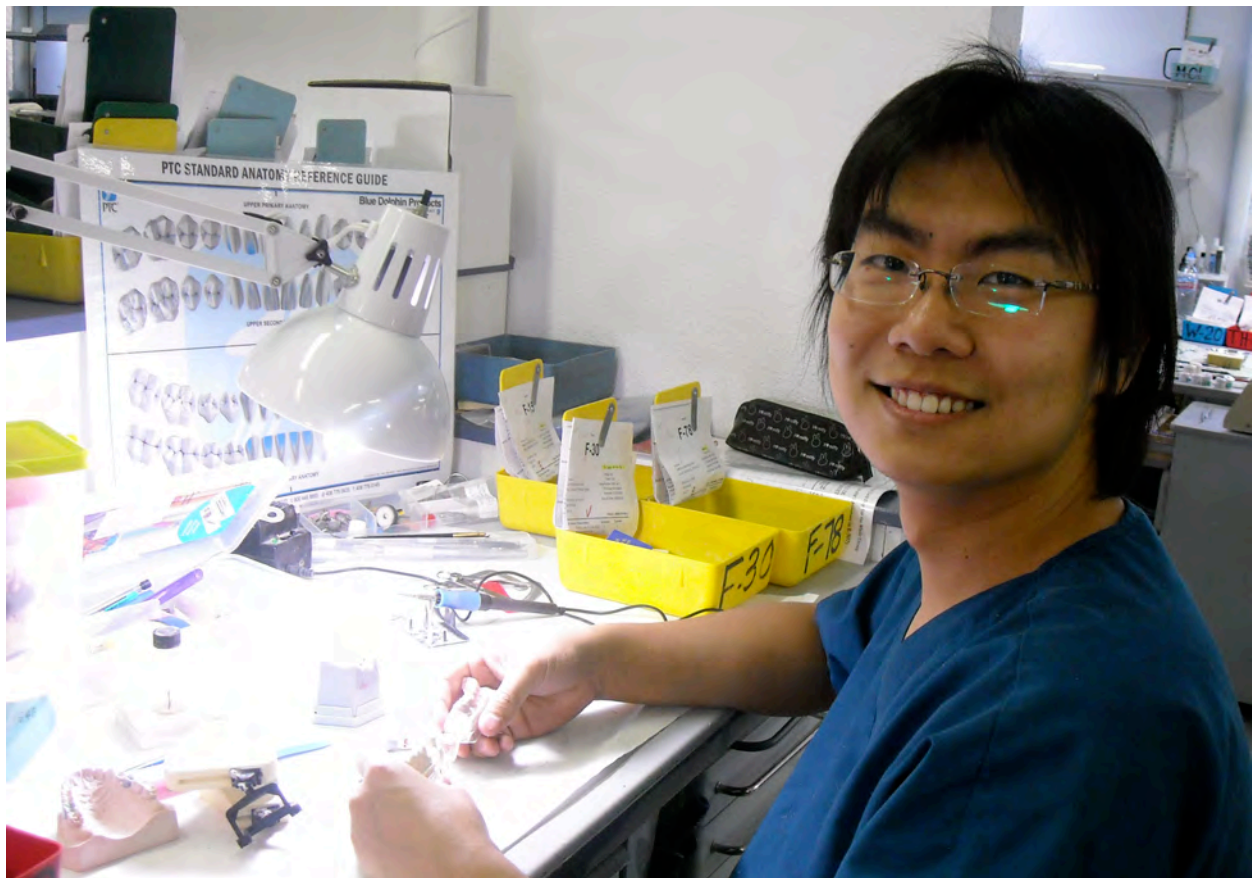
Juan, Digital Design Manager, Precision Ceramics



Joseph, Ceramic Restoratives, Cal Ceram

Applications may be downloaded from the following website:

<http://www.pasadena.edu/divisions/health-sciences/dlt/>



Alumnus On the Job

DENTAL TECHNOLOGIST WAGES/SALARIES

- The salary of a Dental Technologist/Technician varies, depending upon the responsibilities associated with the specific position and the geographic location of employment.
- There is evidence that Dental Technologists/Technicians who have completed a formal training program will advance more rapidly in the field, resulting in higher lifetime earnings.
- Many Dental Technologists/Technicians receive benefit packages from their employers, which may include health and disability insurance coverage, reimbursement for continuing education programs, paid vacations and holidays.
- Dental Technologists/Technicians also have the option to own a private dental laboratory offering unlimited earnings potential.
- According to 2014 data provided by the State of California, average hourly earning for a dental laboratory technician ranges from \$18.52 to \$26.25.

Applications may be downloaded from the following website:

<http://www.pasadena.edu/divisions/health-sciences/dlt/>



Student Class of 2013 Working on Project Under Stereomicroscope



Students of Class of 2015 Waiting to Participate in Impression Taking Activity with Dental Assisting Classmates

Applications may be downloaded from the following website:

<http://www.pasadena.edu/divisions/health-sciences/dlt/>



Students Class of 2012 Working on Laboratory Project

ACADEMIC INTEGRITY POLICY

In a learning environment such as Pasadena City College, it is vital that we create an atmosphere of mutual trust. Cheating, plagiarism, falsifying information and related behaviors destroy the very essence of learning and will not be tolerated. Any such action will adversely affect a student's grade and will lead to disciplinary action by the College. By enrolling in Restorative Dental Technology classes, you agree to comply with the Student Conduct and Academic Honesty Policy (No 4520) Violations of conduct in class or on campus are subject to disciplinary review.

Applications may be downloaded from the following website:

<http://www.pasadena.edu/divisions/health-sciences/dlt/>

INTERESTING ABSTRACTED ARTICLE RECENTLY APPEARING IN THE CHICAGO TRIBUNE

chicagotribune.com

Dental laboratory technicians mix technology with craftsmanship

If you're looking for a career in dental health that offers a blend of science and art, consider the field of Dental Technology. Dental Technologists make and repair orthodontic devices such as dentures, bridges, crowns and braces. They use precision instruments and equipment, such as small hand drills, to create practical and esthetically pleasing dental replacements. Using their artistic abilities, Restorative Dental Technologists create dental prosthetics using materials such as gold, silver, porcelain, plastics and stainless steel. A typical process goes something like this: First, dentists send a description of the item to be manufactured, along with an impression of the patient's mouth or teeth. Then, a Dental Technologist (formally educated) or possibly a Dental Laboratory Technician (limited on the job training) creates a model of the patient's mouth by pouring plaster into the impression and allowing it to set. Next, they place the model on an apparatus that mimics the bite and movement of the patient's jaw (the jaw simulator, known as an articulator). Dental Technologists examine the model, note the size and shape of the adjacent teeth, as well as gaps within the gum line. Based upon these observations and the dentist's specifications, Dental Technologists build and shape a wax tooth or teeth model, using small hand instruments called wax spatulas and wax carvers. They use this wax model to cast the metal framework for the dental prosthetic. In some dental laboratories, the Dental Technologist performs all stages of the laboratory work, and in other laboratories, each technologist/technician specializes in only a few stages of the work. Dental Technologists can specialize in six areas: orthodontic appliances, crowns and bridges, complete dentures, partial dentures, ceramics, or implants. For example, Dental Technologists who make porcelain and acrylic restorations are often called dental ceramists. As each patient's teeth and needs are different, so too are the duties.

A typical day could involve creating: full dentures for patients missing all of their teeth; removable partial dentures or fixed bridges for patients who are missing only one or a few teeth; crowns, or caps for teeth that are designed to restore their original size and shape; veneers that enhance the esthetics and function of the patient; or orthodontic appliances and splints to help straighten and protect teeth.

Education and Training Requirements

Dental Technologists typically receive education and training through a two-year program at a community college, vocational school, technical college, university or dental school. Graduates of these programs receive either an associate's degree or a certificate. Some programs offer a four-year baccalaureate program in dental technology. In most cases, a high school diploma or equivalent is required to apply to an accredited Dental Laboratory Technology Program. Dental Technologists become board certified by passing an examination administered by the National Board for Certification in Dental Laboratory Technology; which evaluates technical skills and knowledge. Certified Dental Technologists usually specialize in one or more of six areas: complete dentures, removable partial dentures, crown and bridge, ceramics, implants or orthodontics.

Applications may be downloaded from the following website:

<http://www.pasadena.edu/divisions/health-sciences/dlt/>

LOOK INTO BECOMING A DENTAL TECHNOLOGIST

For more information on careers in dental laboratory technology, check out these resources:

- National Association of Dental Laboratories, www.nadl.org
- American Dental Association, www.ada.org
- National Board for Certification in Dental Technology, www.nbccert.org

MEET SOME OF THE FACULTY AND STAFF



Mr. Arouni, Ms. Sutton, Professor Bobich, Mr. Saghians, Ms. Constan

Applications may be downloaded from the following website:

<http://www.pasadena.edu/divisions/health-sciences/dlt/>

ADDITIONAL INFORMATION

For additional information and fun informative videos about careers in Restorative Dentistry, what it is like in a dental laboratory, information about National Board Certification and much, much more -- at your leisure, please explore links to these websites:

[Dental Laboratory Technician Job Description and Video of Technicians on the Job](#)

[Brochure About Dental Laboratory Technology From the American Dental Association](#)

[National Association of Dental Laboratories](#)

[National Board for Certification in Dental Laboratory Technology](#)

[California Dental Association Oral Health Careers](#)

[California Dental Laboratory Association](#)

[Dental Laboratory Owner's Association of California](#)

[California Dental Association Orange Chair Diaries](#)

[Bureau of Labor Statistics Dental Laboratory Technology](#)

**YOUTUBE VIDEO LINK CLASS OF 2011
SHARING THEIR EXPERIENCE IN THE PROGRAM:**

<https://youtu.be/MaVYaRg1lgQ>

Applications may be downloaded from the following website:

[**http://www.pasadena.edu/divisions/health-sciences/dlt/**](http://www.pasadena.edu/divisions/health-sciences/dlt/)



*THANK YOU FOR YOUR INTEREST IN STUDYING
RESTORATIVE DENTISTRY*

*WE HOPE TO MEET YOU SOON
AND LOOK FORWARD TO HAVING YOU
JOIN OUR PROGRAM!*

Applications may be downloaded from the following website:
<http://www.pasadena.edu/divisions/health-sciences/dlt/>