

RESTORATIVE DENTAL TECHNOLOGY – ASSOCIATE IN SCIENCE DEGREE, CERTIFICATE OF ACHIEVEMENT

Top Code: 1240.30

The Pasadena City College Restorative Dental Technology Program curriculum prepares a student for employment in a private or commercial dental laboratory or dental office performing restorative dental techniques and procedures. Emphasis is on fundamental and advanced laboratory procedures and concepts in all specialized areas: removable complete dentures, crown and fixed partial dentures, dental ceramics, removable partial dentures, implants, digital dentistry CAD CAM (three levels), and orthodontics and pedodontics. Instruction includes courses in intraoral and facial structures, dental materials, two levels of dental anatomy, articulator instrumentation, functional anatomy, dental calculations, dental laboratory management, juris prudence, and legalities, as well as workplace readiness and dental communications. Students learn in two fully equipped, state-of-the-art laboratories dedicated to fixed and removable prosthetic fabrication and a digital workflow area. Students learn from caring, dedicated, and experienced faculty.

The Restorative Dental Technology Program is 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 Program 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 written Recognized Graduate Examination given by the National Board for Certification.

A Certificate of Achievement is awarded upon completion of all required courses with a grade of C or better. Pasadena City College will also award an Associate in Science Degree with a major in Restorative Dental Technology upon successful completion of courses prescribed for the Certificate of Achievement in the Restorative Dental Technology Program and completion of certain general education classes. Please consult with a college counselor or the college catalog for more information. Students must provide their own transportation to off-campus laboratory sites for their Clinical Experience course during the second year.

Fabricating a dental prosthesis is a tremendously detailed procedure that requires knowledge of structural mechanics, metallurgy, materials science, chemistry, biology, physiology, physics, head and neck anatomy, colorimetry and esthetics. A good restorative dental technologist not only possesses working knowledge in these areas, but also has great manual and perceptual skills. The Pasadena City College Restorative Dental Technology Program has been providing a well-rounded education in restorative dental technology since 1967.

Eligibility for Entrance into the Restorative Dental Technology Program:

1. Graduation from a U.S. accredited high school, GED, or the equivalent (such as officially translated/evaluated transcripts¹ from a high school or college in another country) with a 2.0 grade point average.

2. A Restorative Dental Technology 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 Dental Technology 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.¹
5. One official transcript from **all** U. S. colleges and universities attended including Pasadena City College.¹

¹ Unofficial transcripts and photocopies of diplomas are not acceptable.

Please note that upon acceptance to the Restorative Dental Technology Program the College's Records Office will also require a second set of official transcripts and a health clearance by a physician.

The Restorative Dental 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:

211 East Chicago Avenue
Chicago, IL 60611
(312) 440-4653
<http://www.ada.org/100.aspx>

Program Outcomes

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 restorative 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 restorative 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.

COUN 010	INTRODUCTION TO COLLEGE	1
COUN 011	LEARNING STRATEGIES AND COLLEGE SKILLS DEVELOPMENT	1
COUN 012	PERSONAL GROWTH AND DEVELOPMENT	3
COUN 017	CAREER PLANNING	2
DA 110	INTRODUCTION TO DENTAL ESSENTIALS	3.5
ENGL 450	INTRODUCTION TO ENGLISH ESSENTIALS	3

Requirements for the Certificate of Achievement

Code	Title	Units
Semester I		
RDT 125A	BEGINNING CROWN AND BRIDGE	4
RDT 130A	BEGINNING COMPLETE DENTURES	4
RDT 135A	BEGINNING DENTAL ANATOMY	2.5
RDT 140A	BEGINNING DIGITAL DENTISTRY CAD CAM I	1.5
RDT 145	DENTAL MATERIALS	2
RDT 150	DENTAL COMMUNICATION AND WORKPLACE READINESS SKILLS	0.5
Semester II		
RDT 125B	ADVANCED CROWN AND BRIDGE	5
RDT 130B	ADVANCED COMPLETE DENTURES	5
RDT 135B	INTERMEDIATE DENTAL ANATOMY	2.5
RDT 140B	INTERMEDIATE DIGITAL DENTISTRY CAD CAM II	1.5
RDT 155	ANATOMY OF ORAL AND FACIAL STRUCTURES	1
RDT 160	DENTAL CALCULATIONS, WEIGHTS AND MEASURES	0.5
Semester III		
RDT 225A	BEGINNING REMOVABLE PARTIAL DENTURES (RPDs)	4
RDT 230A	BEGINNING DENTAL CERAMICS	5
RDT 235A	FUNCTIONAL OCCLUSION AND ARTICULATOR INSTRUMENTATION	2.5
RDT 240	ADVANCED DIGITAL DENTISTRY CAD CAM III	1.5
RDT 245	ORTHODONTICS AND PEDODONTICS	3
RDT 250	LABORATORY BUS. MGMT/ ADMIN, LEGALITIES, ETHICS AND JURISPRUDENCE	1
Semester IV		
RDT 225B	ADVANCED REMOVABLE PARTIAL DENTURES (RPDs)	3
RDT 230B	ADVANCED DENTAL CERAMICS	5
RDT 235B	ADVANCED FUNCTIONAL OCCLUSION AND BIOMECHANICS OF THE MASTICATORY SYSTEM	2.5
RDT 255	INTRODUCTION TO DENTAL IMPLANTS	2
RDT 260	TRANSITION TO THE RESTORATIVE DENTAL TECHNOLOGY PROFESSION	1.5
RDT 265	CLINICAL EXPERIENCE	3
Total Units		64

Visit the Program Mapper (<https://pasadena-city.programmapper.ws/academics/interest-clusters/8353468c-9ac9-4b4b-a310-843b126d204c/programs/8bdef0c4-1f4b-31d7-62ef-ed9a2233ed15/>) for a suggested sequence of courses.

General Education Requirements for the Associate in Science Degree

- General Information (<https://curriculum.pasadena.edu/academic-programs-leading-degree-certificate/>)
- PCC Local Gen Ed (<https://curriculum.pasadena.edu/academic-programs-leading-degree-certificate/#pcclocaltext>)
- CSU Breadth (<https://curriculum.pasadena.edu/academic-programs-leading-degree-certificate/#csubreadthtext>)
- IGETC (<https://curriculum.pasadena.edu/academic-programs-leading-degree-certificate/#igetctext>)

Recommended Electives

Code	Title	Units
ART 025	BEGINNING SCULPTURE	3
ART 034A	APPLIED DESIGN I - MATERIALS AND PROCESSES	3
BUS 116	ENTREPRENEURSHIP	3