



A DUAL ENROLLMENT CAREER PATHWAY FOR

EXPANDED DUTY DENTAL ASSISTING

tctc.edu/careerpathways

About the Program

- Dental assistants are a crucial support team at every dentist's office. In the Expanded Duty Dental Assisting program, you'll train to work in general as well as specialty dentistry—including restorative and preventive oral health care..
- The number of Dental Assistants employed in this region is expected to increase by 9.4% over the next four years, according to the Bureau of Labor Statistics.

About the Pathway

- Get a head start on your Dental Assisting (DAT) program by completing some or all DAT general education courses while still in high school.
- Be ready to begin DAT courses in the fall and graduate with your Expanded Duty Dental Assisting Diploma in 3 semesters.
- Upon completion of the DAT program, become a Certified Dental Assistant by completing the Dental Assisting National Board (DANB)..
- High school students take dual enrollment classes at **Tri-County Technical College**.

Expanded Duty Dental Assisting CAREER PATHWAY

IN HIGH SCHOOL

Fall of 12th Grade Year:

- ENG 155 or ENG 101*
- AHS 102 (or passing TAP exam score)

Spring of 12th Grade Year:

- PSY 103 or PSY 201
- MAT 155 or MAT 120*

For Health Science Technology students:

TAP credit available for AHS 102 with successful completion of TAP exam.

**HIGH SCHOOL GRADUATION
AND
12 HOURS COLLEGE CREDIT**

AFTER HIGH SCHOOL

Expanded Duty Dental Assisting Diploma

FALL

- DAT 112 • DAT 113 • DAT 115 • DAT 118 • DAT 154

SPRING

- DAT 121 • DAT 123 • DAT 127 • DAT 185

SUMMER

- DAT 122 • DAT 177

SC Mean Annual Wages

\$38,553

AFTER TCTC GRADUATION

Student would be eligible for employment in the following dental practices and specialties:

- General dentistry
- Oral Surgery
- Pediatric dentistry
- Periodontics
- Orthodontics
- Prosthodontics
- Endodontics

Obtain certifications:

- Dental Assisting National Board (DANB)
 - South Carolina Radiation Safety
- South Carolina Nitrous Oxide Monitoring

CONNECT WITH US

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EXPANDED DUTY DENTAL ASSISTING COURSE DESCRIPTIONS

Dental Assistants are multi-skilled dental professionals trained to work in many specialty areas of dentistry, including restorative dentistry and preventive oral health care. Students learn the skills necessary to provide patient education, apply pit and fissure sealants, produce intra-oral and extra-oral radiographs, polish teeth and fillings, assist the dentist, prepare dental materials, and manage dental offices.

AHS 102 - MEDICAL VOCABULARY

Class Hours: 3 Lab Hours: 0 Credit Hours: 3

This course covers medical terms, including roots, prefixes, and suffixes, with emphasis on spelling, definition, and pronunciation.

DAT 112 - INTEGRATED HUMAN SCIENCES

Class Hours: 3 Lab Hours: 3 Credit Hours: 4

This course provides a basic study of human anatomy, physiology, and microbiology as related to dental science and the practice of dental assisting.

Prerequisite: AHS 102

Note: Course only offered in Fall.

DAT 113 - DENTAL MATERIALS

Class Hours: 3 Lab Hours: 3 Credit Hours: 4

This course is a study of physical and chemical properties of matter and identification, characteristics, and manipulation of dental materials.

Note: Course only offered in Fall.

DAT 115 - ETHICS AND PROFESSIONALISM

Class Hours: 1 Lab Hours: 0 Credit Hours: 1

This course introduces a cursory history of dental assisting, professional associations, scope of service in dentistry, and ethical, legal and professional considerations. The state dental practice act is reviewed.

Note: Course only offered in Fall.

DAT 118 - DENTAL MORPHOLOGY

Class Hours: 1 Lab Hours: 3 Credit Hours: 2

This course emphasizes the development, eruption, and individual characteristics of each tooth and surrounding structures.

Note: Course only offered in Fall.

DAT 121 - DENTAL HEALTH EDUCATION

Class Hours: 1 Lab Hours: 3 Credit Hours: 2

This course defines the responsibilities of the dental assistant in individual and community dental health education with emphasis on the etiology of dental disease, methods for prevention, and principles of nutrition in relationship to oral health and preventive dentistry.

Note: Course only offered in Spring.

DAT 122 - DENTAL OFFICE MANAGEMENT

Class Hours: 1 Lab Hours: 3 Credit Hours: 2

This course provides a study of the business aspect of a dental office.

Note: Course only offered in Spring.

DAT 123 - ORAL MEDICINE/ORAL BIOLOGY

Class Hours: 2 Lab Hours: 3 Credit Hours: 3

This course presents a basic study of oral pathology, pharmacology, nutrition, and common emergencies as related to the role of the dental assistant.

Note: Course only offered in Spring.

DAT 127 - DENTAL RADIOGRAPHY

Class Hours: 3 Lab Hours: 3 Credit Hours: 4

This course provides the fundamental background and theory for the safe and effective use of x-radiation in dentistry. It encompasses the history of x-rays, production and uses of radiation, radiographic film, exposure factors, interpretation of radiographs, and radiation hygiene.

Note: Course only offered in Spring.

DAT 154 - CLINICAL PROCEDURES I

Class Hours: 2 Lab Hours: 6 Credit Hours: 4

This course includes preparation to assist a dentist efficiently in four-handed dentistry. Emphasis is on the names and functions of all dental instruments, the principles involved in their use, and the assistants' role in dental instrumentation.

Note: Course only offered in Fall.

DAT 177 - DENTAL OFFICE EXPERIENCE

Class Hours: 2 Lab Hours: 15 Credit Hours: 7

This course consists of practice in the dental office or clinic with rotation of assignments to encompass experiences in office management and clinical experience in all areas of dentistry.

Note: Course only offered in Summer.

DAT 185 - DENTAL SPECIALTIES

Class Hours: 1 Lab Hours: 12 Credit Hours: 5

This course covers the equipment and procedures related to dental specialties used in clinical experiences.

Note: Course only offered in Spring.

ENG 101 - ENGLISH COMPOSITION I

Class Hours: 3 Lab Hours: 0 Credit Hours: 3

This is a (college transfer) course in which the following topics are presented: a study of composition in conjunction with appropriate literary selections, with frequent theme assignments to reinforce effective writing. A review of standard usage and the basic techniques of research are also presented.

Prerequisites: Satisfactory Writing placement score or a grade of C or higher in ENG 100 or in ENG 155 and satisfactory Reading placement score or a grade of C or higher in RDG 100.

ENG 155 - COMMUNICATIONS I

Class Hours: 3 Lab Hours: 0 Credit Hours: 3

This course introduces the principles of expository writing and public speaking through practice and development of communication skills.

Prerequisites: Satisfactory Writing placement score or grade of C or higher in ENG 032 and satisfactory Reading placement score or a grade of C or higher in RDG 100.

Note: This course cannot be used for an AA or AS degree.

MAT 120 - PROBABILITY AND STATISTICS

Class Hours: 3 Lab Hours: 0 Credit Hours: 3

This course includes the following topics: introductory probability and statistics, including organization of data; sample space concepts; random variables; counting problems; binomial and normal distributions; central limit theorem; confidence intervals and test hypothesis for large and small samples; types I and II errors; linear regression and correlation.

Prerequisites: Satisfactory math placement score or MAT 102 with a grade of "C" or higher, or MAT 101 with a grade of A and a satisfactory reading placement score or ROG 100 with a grade of "C" or higher or ENG 101 or ENG 103 with a grade of "C" or higher.

MAT 155 - CONTEMPORARY MATHEMATICS

Class Hours: 3 Lab Hours: 0 Credit Hours: 3

This course includes techniques and applications of the following topics: properties of and operations with real numbers, elementary algebra, consumer mathematics, applied geometry, measurements, graph sketching and interpretations, and descriptive statistics.

Prerequisites: Satisfactory math placement score or MAT 032 with a grade of "C" or higher. Note: This course cannot be used for an AA or AS degree.

PSY 103 - HUMAN RELATIONS

Class Hours: 3 Lab Hours: 0 Credit Hours: 3

This course is a study of human relations, including the dynamics of behavior, interrelationships, and personality as applied in everyday life. This course counts as elective credit only in the AA or AS degree programs.

Note: Course is only offered in Fall and Summer

PSY 201 - GENERAL PSYCHOLOGY

Class Hours: 3 Lab Hours: 0 Credit Hours: 3

This course includes the following topics and concepts in the science of behavior: scientific method, biological bases for behavior, perception, motivation, learning memory, development, personality, abnormal behavior, therapeutic techniques, and social psychology.

Prerequisites: Satisfactory reading and English placement scores for ENG 101; or satisfactory English scores for ENG 101 and completion of RDG 100 with a grade of "C" or higher; or completion of ENG 100, ENG 101, ENG 103 or ENG 155 with a grade of "C" or higher. BIO 101 strongly recommended.

SPC 205 - PUBLIC SPEAKING

Class Hours: 3 Lab Hours: 0 Credit Hours: 3

This course is an introduction to principles of public speaking with application of speaking skills.

Prerequisites: ENG 101, ENG 103, ENG 155, or ENG 156 with a grade of "C" or higher.



TCTC
Tri-County Technical College