



# Dental Assisting Technology (DAT)

## Program Information

The Dental Assisting Program is designed to prepare the student for a career in the dental assisting field of dentistry. A person trained in this field provides chairside assistance to the dentist, performs work in a dental laboratory, and performs certain functions in the dental office such as making appointments, billing patients and keeping records.

The program is accredited by the Commission on Dental Accreditation of the American Dental Association and is approved by the Board of Dental Examiners of Alabama. The Certifying Board of the American Dental Association gives special recognition to those who have achieved a high degree of competence and ability in the dental assisting field. Trenholm State Community College is also accredited by the Southern Association of College and all credits are transferrable to a four year college institutions.

## Occupational Choices

The dental assistant works with dentists in private offices, schools, public health agencies, hospitals, clinics, and the armed forces/veteran facilities. The dental assistants work with patients to make them comfortable in the dental chair and to prepare them for treatments and procedures. Pleasant surroundings, regular hours, and knowledge that they are in demand are some advantages enjoyed by dental assistants. As dentistry evolves, so does the duties of the dental assistant. There is never a boring day at this fast paced, exciting job.

Sources: Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, 2016-17 Edition, Dental Assistants, on the Internet at <http://www.bls.gov/oooh/healthcare/dental-assistants.htm>.

## Average Full-Time Wage

Employment is expected to grow much faster than average, largely because students in dental schools are being taught to use dental assistants in their practice. Part-time employment opportunities also will be very favorable. The median 2015 annual full-time wage for Dental Assistants is \$35,980/\$17.30 per hour. The U.S. Bureau of Labor Statistics

projects more than 58,000 new job openings for dental assistants from 2014 through 2024. That is an 18 percent growth rate, which makes dental assisting one of the fastest growing professions in the country.

Sources: Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, 2016-17 Edition, Dental Assistants, on the Internet at <http://www.bls.gov/oooh/healthcare/dental-assistants.htm>.

## Additional Requirements

Dental Assisting courses begin in the fall and must be taken in sequence with each course in a given term being a co-requisite. Students beginning the spring or summer term will be enrolled in general education courses until fall semester begins.

Requirements for the program include, but are not limited to: (1) Physical and dental exams by the end of the 2nd week in October and (2) Program uniforms by the end of the 2nd week in October.

## Awards Available

Associate in Applied Science Degree  
Dental Assisting Technology

Certificate  
Dental Assisting Technology

Short Term Certificate  
Dental Assisting Technology\*\*

\*\* This award is not accredited by the American Dental Association.

## Program Contact

Kimberly White  
Program Coordinator/Instructor  
334-420-4427  
Location: Trenholm Campus - Bldg. J

As part of ongoing planning and evaluation, the College regularly evaluates student learning outcomes for each program.

## Estimated Program Length & Cost \*

Award	Length	Credit Hours	Tuition Fees	Books	Tools	Supplies
Associate Degree	6 Terms	64	\$9,280	\$1250	\$500	\$20
Certificate	3 Terms	49	\$7,540	\$800	\$500	\$20
Short Term Certificate	2 Terms	28	\$4,060	\$373	\$500	\$20

\* Tax not included. Prices are subject to change without prior notice; cost of books may vary considerably among suppliers. Cost of general education books is in addition to the total listed above. The length of the program is based on full-time status of 12-15 credit hours per term. Enrollment in transitional level general education courses will alter the length of the program.

## Associate in Applied Science Degree Dental Assisting Technology

### Required Technical Courses (42 credit hours)

Course	Title	Hrs
*DAT-100	Introduction to Dental Assisting	2
*DAT-101	Pre-Clinical Procedures I	3
*DAT-102	Dental Materials	3
*DAT-103	Anatomy & Physiology-Dental Asst	3
*DAT-112	Dental Radiology	3
+DAT-104	Basic Science for Dental Assisting	2
+DAT-105	Pre-Clinical Procedure & Practicum	3
+DAT-113	Dental Health Education	2
+DAT-115	Clinical Practicum I	5
+DAT-124	Clinically Applied Infection Control & OSHA Standards	1
oDAT-120	Office Admin for Dental Assisting	3
oDAT-122	Clinical Practice II	4
oDAT-123	Dental Assisting Seminar	4
oDAT-205	Dental Field Practice	1
	**Elective	1
	**Elective	2

\*\*DAT-141 and DAT-298 – These courses were used to calculate contact hours which may vary, depending on elective courses selected.

\* These courses are co-requisites and are offered only in the fall term.

+ These courses are co-requisites and are offered only in the spring term.

o These courses are co-requisites and are offered only in the summer term.

### Electives:

DAT-141	Directed Studies in Dental Assisting	3
DAT-298	Special Topics in Dentistry	3

### Required General Education (22 credit hours)

Course	Title	Hrs
CIS-149	Introduction to Computers	3
	OR CIS-146 Microcomputer Apps	
ENG-101	English Composition I	3
ENG-102	English Composition II	3
ORI-101	Orientation to College	1
MTH-116	Mathematical Applications	
	or MTH-103	3
PSY-200	General Psychology	3
MUS-101	Music Appreciation	3
	or ART-100 Art Appreciation	
Choose 1 (BIO-103, 112, 120, 211, 212, MTH-103 or higher)		3

**Total Hours: 64 Credit Hours; 1,520 Contact Hours**

## Certificate Dental Assisting Technology

### Required Technical Courses (42 credit hours)

Course	Title	Hrs
*DAT-100	Introduction to Dental Assisting	2
*DAT-101	Pre-Clinical Procedures I	3
*DAT-102	Dental Materials	3
*DAT-103	Anatomy & Physiology-Dental Asst	3
*DAT-112	Dental Radiology	3
+DAT-104	Basic Science for Dental Assisting	2
+DAT-105	Pre-Clinical Procedure & Practicum	3
+DAT-113	Dental Health Education	2
+DAT-115	Clinical Practice I	5
+DAT-124	Clinically Applied Infection Control & OSHA Standards	1
oDAT-120	Office Admin for Dental Assisting	3
oDAT-122	Clinical Practice II	4
oDAT-123	Dental Assisting Seminar	4
oDAT-205	Dental Field Practice	1
	**Elective	1
	**Elective	2

\* These courses are co-requisites and are offered only in the fall term.

+ These courses are co-requisites and are offered only in the spring term.

o These courses are co-requisites and are offered only in the summer term.

### Electives:

DAT-141	Directed Studies in Dental Assisting	3
DAT-298	Special Topics in Dentistry	3

### Required General Education (7 credit hours)

ENG-101	English Composition I	3
ORI-101	Orientation to College	1
MTH-116	Mathematical Applications	3

**Total Hours: 49 Credit Hours; 1,280 Contact Hours**

## Short Term Certificate Dental Assisting Technology

This Short Term Certificate does not meet all standards for the American Dental Association and is not accredited.

### Required Technical Courses (27 credit hours)

Course	Title	Hrs
*DAT-100	Introduction to Dental Assisting	2
*DAT-101	Pre-Clinical Procedures I	3
*DAT-102	Dental Materials	3
*DAT-103	Anatomy & Physiology-Dental Asst	3
*DAT-112	Dental Radiology	3
+DAT-104	Basic Science for Dental Assisting	2
+DAT-105	Pre-Clinical Procedure & Practicum	3
+DAT-113	Dental Health Education	2
+DAT-115	Clinical Practice I	5
+DAT-124	Clinically Applied Infection Control & OSHA Standards	1

\* These courses are co-requisites and are offered only in the fall term.

+ These courses are co-requisites and are offered only in the spring term.

### Required General Education (1 credit hours)

ORI-101	Orientation to College	1
---------	------------------------	---

**Total Hours: 28 Credit Hours; 752 Contact Hours**

## Course Descriptions for Dental Assisting Technology (DAT)

<b>Course #</b>	<b>Course Title</b>	<b>Theory Contact Hours/Wk</b>	<b>Lab Contact Hours/Wk</b>	<b>Credit Hours</b>
<b>DAT-100</b>	<b>INTRODUCTION TO DENTAL ASSISTING</b>	<b>2</b>	<b>0</b>	<b>2</b>
PREREQUISITE: Permission of Instructor CO-REQUISITE: DAT101, 102, 103, 112				
This course is designed to provide an introduction to dentistry and the history of dentistry, dental equipment, dental auxiliaries, psychology application to dentistry, personal and certification requirements, legal and ethical considerations, and work ethics and communication skills. Emphasis is placed on the Alabama Dental Practice Act and OSHA Standards. Upon completion, students should be able to discuss basic aspects of dentistry. This course is offered in the fall each year. This is a CORE course.				
<b>DAT-101</b>	<b>PRE-CLINICAL PROCEDURES I</b>	<b>2</b>	<b>3</b>	<b>3</b>
PREREQUISITE: Permission of Instructor CO-REQUISITE: DAT100, 102, 103, 112				
This course is designed to introduce chairside assisting including concepts of four handed dentistry, sterilization techniques, dental instruments, anesthesia, operative dentistry and dental specialties. Emphasis will be placed on preparation of the student for clinical dental assisting. Upon completion, the student should be able to perform dental assisting skills in a clinical setting. This course is offered in the fall each year.				
<b>DAT-102</b>	<b>DENTAL MATERIALS</b>	<b>2</b>	<b>3</b>	<b>3</b>
PREREQUISITE: Permission of Instructor CO-REQUISITE: DAT100, 101, 103, 112				
This course is designed to provide study of the characteristics, manipulation, and application of dental materials ordinarily used in the dental office. Students will be given intra and extra oral technical tasks to perform. Upon completion, students should be able to take and pour alginate impressions, trim study models, construct custom trays and temporary crowns, prepare and place restorative material, and manipulate cements and impression materials. This course is offered in the fall each year.				
<b>DAT-103</b>	<b>ANATOMY &amp; PHYSIOLOGY FOR DENTAL ASSTG</b>	<b>3</b>	<b>0</b>	<b>3</b>
PRE REQUISITE: Permission of Instructor CO-REQUISITE: DAT100, 101, 102, 112				
This course is designed to provide study of anatomy and physiology of the head and neck with a basic understanding of body structure and function. Emphasis will be placed on tooth and root morphology, and embryological and histological correlations to provide a foundation essential to an understanding of dental health. Upon completion, students should be able to discuss and identify the basic structure and function of the human body specifically the head, neck, and dentition. This course is offered in the fall each year. This is a CORE course.				
<b>DAT-104</b>	<b>BASIC SCIENCES FOR DENTAL ASSISTING</b>	<b>2</b>	<b>0</b>	<b>2</b>
PREREQUISITE: Successful completion of DAT-100, 101, 102, 103, 112 and/or Permission of Instructor CO-REQUISITE: DAT111, 113, 116, 124				
This course is designed to study basic microbiology, pathology, pharmacology, and medical emergencies. Emphasis is placed on the correlation of these sciences to the practice of dentistry. Upon completion, students should be able to apply basic science to the dental field. This course is offered in the spring each year.				
<b>DAT-105</b>	<b>PRE-CLINICAL PROCEDURE AND PRACTICUM</b>	<b>2</b>	<b>2</b>	<b>3</b>
PREREQUISITE: Successful completion of DAT/DNT-101 or equivalent This course is a continuation of Pre-Clinical Procedures I. Emphasis is place on dental specialties. Upon completion, the student should be able to perform specific dental assisting skills pertaining to dental specialty procedures and instrumentation. This course is offered in the spring each year.				
<b>DAT-112</b>	<b>DENTAL RADIOLOGY</b>	<b>2</b>	<b>3</b>	<b>3</b>
PREREQUISITE: Permission of Instructor CO-REQUISITE: DAT100, 101, 102, 103				
This course is designed to cover the essential knowledge of radiographic technique for the practice of dentistry. Students will be taught to produce diagnostically acceptable intra and extra-oral radiographs with emphasis being placed on x-ray properties, generation of x-rays, film processing, infection control, quality assurance, intraoral radiographic technique and image characteristics. Upon completion, students should be able to expose, process, and mount radiographs for diagnostic purposes under the direct supervision of a licensed dentist. This course is offered in the fall each year. This is a CORE course.				
<b>DAT-113</b>	<b>DENTAL HEALTH EDUCATION</b>	<b>2</b>	<b>0</b>	<b>2</b>
PREREQUISITE: Successful completion of DAT-100, 101, 102, 103, 112 and/or Permission of Instructor CO-REQUISITE: DAT104, 111, 116, 124				
This course is designed to introduce the student to the basic principles of nutrition, preventive dentistry, and dental health education. Emphasis will be placed on philosophy of preventive dentistry including: oral hygiene, patient motivation and management, and methods of oral health education. Upon completion, students should be able to apply the basic principles of nutrition and preventive dentistry. This course is offered in the spring each year. This is a CORE course.				

<b>Course #</b>	<b>Course Title</b>	<b>Theory Contact Hours/Wk</b>	<b>Lab Contact Hours/Wk</b>	<b>Credit Hours</b>
<b>DAT-115</b>	<b>CLINICAL PRACTICUM I</b> PREREQUISITE: Permission of Instructor CO-REQUISITE: DAT104, 113, 116, 124 This course is designed to allow the student the opportunity for practical work experience in clinical settings. Emphasis is placed on the basic skills of dental assisting. Upon completion, the student should be able to demonstrate basic skills in the area of chairside assisting. This course is offered in the spring each year.	<b>0</b>	<b>15</b>	<b>5</b>
<b>DAT-120</b>	<b>OFFICE ADMINISTRATION FOR DENTAL ASSISTING</b> PREREQUISITE: Successful completion of DAT104, 111, 113, 116, 124 and/or Permission of Instructor CO-REQUISITE: DAT122, 123 This course is designed to allow basic dental office procedures including appointment and recall systems, financial records, accounting procedures, insurance claims, filing systems, purchasing and inventory of supplies and equipment, and the utilization of computers to perform business office procedures. Emphasis is placed on the duties of a dental receptionist. Upon completion, students should be able to demonstrate proficiency in the area of dental office administrative procedures. This course is offered in the summer each year.	<b>2</b>	<b>3</b>	<b>3</b>
<b>DAT-122</b>	<b>CLINICAL PRACTICE II</b> PREREQUISITE: Successful completion of DAT104, 111, 113, 116, 124 and/or Permission of Instructor CO-REQUISITE: DAT121, 123 This course is designed to provide the student the opportunity to develop advanced dental assisting skills in chairside dental assisting procedures, radiology, receptionist duties, team work, and communication skills. Emphasis will be placed on clinical procedures. Upon completion, students should be able to demonstrate proficiency in the area of chairside assisting. This course is offered in the summer each year. This is a CORE course.	<b>0</b>	<b>12</b>	<b>4</b>
<b>DAT-123</b>	<b>DENTAL ASSISTING SEMINAR</b> PREREQUISITE: Successful completion of DAT104, 111, 113, 116, 124 and/or Permission of Instructor CO-REQUISITE: DAT121, 122 This course is designed to discuss and evaluate the students' clinical experiences and the resume and interview process. Emphasis will be placed on new technology in dental practices as related to dental assisting and the certification exam review. Upon completion, students should be able to successfully complete the Dental Assisting National Board Examination to become a Certified Dental Assistant. This course is offered in the summer each year. This is a CORE course.	<b>4</b>	<b>0</b>	<b>4</b>
<b>DAT-124</b>	<b>CLINICALLY APPLIED INFECTION CONTROL AND OSHA STANDARDS</b> PREREQUISITE: Successful completion of DAT100, 101, 102, 103, 112 and/or Permission of Instructor CO-REQUISITE: DAT104, 111, 113, 116 This course is designed for the integration of previously acquired knowledge of OSHA Standards and Infection Control in a clinical setting. Emphasis will be placed on clinical application of Infection Control and Compliance of OSHA Standards as it relates to dental chairside assisting. Upon completion, students should be able to demonstrate skills in the area of Infection Control and OSHA Guidelines. This course is offered in the spring each year. This is a CORE course.	<b>0</b>	<b>3</b>	<b>1</b>
<b>DAT-141</b>	<b>DIRECTED STUDIES IN DENTAL ASSISTING</b> PREREQUISITE: Permission of Instructor This course is designed to provide study of specific areas of dentistry as chosen by the student and faculty member. Emphasis will be placed on the research and critique of a specific dental topic. Upon completion, students should be able to deliver a written and oral presentation on the chosen topic. This course is offered at least one term every year.	<b>3</b>	<b>0</b>	<b>3</b>
<b>DAT-205</b>	<b>DENTAL FIELD PRACTICE</b> PREREQUISITE: Permission of Instructor This course is designed to provide the student with the opportunity to deliver dental services within an under-served population. Emphasis is placed on providing basic dental care to impoverished populations. Upon completion, the student should be able to discuss the development and implementation of dental field work. This course is offered in the summer each year.	<b>0</b>	<b>3</b>	<b>1</b>
<b>DAT-298</b>	<b>SPECIAL TOPICS IN DENTISTRY</b> PREREQUISITE: Permission of Instructor This course is designed to address special topics in dentistry according to the criteria approved for continuing education by the Code of Alabama. Emphasis is placed on chairside dental assisting, Infection Control/OSHA, treatment of special needs/medically compromised patients, oral pathology basic sciences, dental materials, medical emergencies, and ethics and jurisprudence. Upon completion, the student should be able to discuss the special topic addressed in the symposium as it relates to dentistry. This course is offered at least one term every year.	<b>3</b>	<b>0</b>	<b>3</b>