

DENTAL ASSISTING (DAS)

CERTIFICATE - 39 HOURS

A.A.S. DEGREE - 62 HOURS

Dental Assisting education at Ozarks Technical Community College (OTC) offers courses of study leading to a Certificate and/or an Associate of Applied Science degree in Dental Assisting. The program is fully accredited by the Commission on Dental Education of the American Dental Association. OTC's accredited dental assisting program is structured to prepare students for the Certified Dental Assisting (CDA) examination. All states recognize the CDA credential.

The dental assistant is a responsible and valuable member of the dental health care team. A graduate from the OTC Dental Assisting Program is prepared for employment opportunities in general and specialty dental offices as well as in public health.

Students may take the "Program Specific Courses" only after they have been admitted into the program. A separate application process is required for acceptance into this program. A new class begins each fall semester. The application deadline for the program is June 15. Contact the Allied Health Office for an application packet.

<u>Program Specific Courses</u>	<u>Cr Hrs</u>
DAS 101 Chairside Assisting I	4
DAS 102 Infection Control	2
DAS 103 Chairside Assisting II	3
DAS 105 Dental Language	1
DAS 114 Operative Dentistry	2
DAS 115 Dental Science and Health	2
DAS 120 Dental Materials I	5
DAS 123 Dental Materials II- Lab	2
DAS 130 Dental Radiology	3
DAS 132 Dental Radiology II	3
DAS 150 Dental Office Procedures	2
DAS 160 Expanded Functions	2
DAS 201 Clinical Chairside	5

<u>General Ed Requirements</u>	<u>Cr Hrs</u>
COM 100 Human Communication (or COM 105)	3
ENG 101 Composition I	3
Mathematics Elective (MTH 105 or higher)	3
Science Elective	4
¹ Social Science Elective	3
Social Science Elective	3
Elective	4
Elective	3

Electives

May choose any 100 level or above course.

Preferred Course Sequence

Certificate = Courses in Shaded Areas

Semester I (Fall)

DAS 101 Chairside Assisting I	4
DAS 102 Infection Control	2
DAS 114 Operative Dentistry	2
DAS 115 Dental Science and Health	2
DAS 120 Dental Materials I	5
DAS 130 Dental Radiology	3
Total Semester Hours	18

Semester II (Spring)

DAS 103 Chairside Assisting II	3
DAS 105 Dental Language	1
DAS 123 Dental Materials II- Lab	2
DAS 132 Dental Radiology II	3
DAS 150 Dental Office Procedures	2
DAS 160 Expanded Functions	2
DAS 201 Clinical Chairside	5
COM 100 Human Communication (or COM 105)	3
Total Semester Hours	21

Semester III

ENG 101 Composition I	3
Mathematics Elective (MTH 105 or higher)	3
Elective	4
Elective	3
Total Semester Hours	13

Semester IV

Science Elective	4
¹ Social Science Elective	3
Social Science Elective	3
Total Semester Hours	10

¹ Must satisfy Missouri law to include instruction in U.S. and State Constitutions. (See page 31)

COURSE DESCRIPTIONS

(DAS)

Cr Hrs-Lec-Lab

X = Variable

(DAS) DENTAL ASSISTING

DAS-101 Chairside Assisting I 4-2-2-4 (Clinicals)

An introduction to the professionalism and responsibilities of a Dental Assistant during chairside procedures to include lectures followed by practice and evaluation of management of pain and anxiety and the foundation of clinical dentistry.

Prerequisite: Admission to the Dental Assisting program.

DAS-102 Infection Control 2-1-2

This course introduces the infection and hazard control procedures necessary for the safe practice of dentistry. Emphasis is on microbiology, practical infection control, sterilization and monitoring, chemical disinfectants, aseptic technique, infectious diseases, and OSHA standards. *Prerequisite: Admission to the Dental Assisting program.*

DAS-103 Chairside Assisting II 3-3-0

This course is designed to introduce the Dental Assistant to specialty dental practice. The following specialties are included: endodontics, oral and maxillofacial surgery, orthodontics, pediatric dentistry, periodontics, prosthodontics, and dental public health. *Prerequisite: Grade of "C" or higher in all of the previous Dental Assisting courses.*

DAS-105 Dental Language 1-2-0

This course provides an introduction to the nomenclature used by the dental profession including vocabulary terms, communication skills, role playing and the psychology of dentistry. A community project is also included. *Prerequisite: Grade of "C" or higher in all of the previous Dental Assisting courses.*

DAS-114 Operative Dentistry 2-1-2

This course introduces basic knowledge and skill application for general chairside assisting procedures. Emphasis is placed on the application of principles and procedures of four-handed dentistry and clinical support functions. Upon completion, students should be able to utilize classroom theory and clinical skills in a dental setting. *Prerequisite: Admission to the Dental Assisting program.*

DAS-115 Dental Science and Health 2-2-0

This course offers the following topics related to dental science and health: dentition, head and neck anatomy, tooth morphology, oral embryology and histology, nutrition, oral pathology, and pharmacology. *Prerequisite: Admission to the Dental Assisting program.*

DAS-120 Dental Materials I 5-2-6

This course provides a study of the science of dental materials, their composition, structures and properties; uses in dentistry, and manipulation techniques. Emphasis is on safety procedures during manipulations of materials and use of equipment. *Prerequisite: Admission to the Dental Assisting program.*

DAS-123 Dental Materials II Lab 2-0-4

This course provides practice with, manipulation of, and evaluation of materials used in the specialty fields of dentistry. *Prerequisite: Grade of "C" or higher in all of the previous Dental Assisting courses.*

DAS-130 Dental Radiology I 3-2-2

This course is an introduction to radiographic procedures, theory of producing radiographs, biological affects and safety procedures are discussed; practice of techniques is mastered on typodonts before exposures are made on patients. Diagnostic quality with maximum radiation protection is of special emphasis. *Prerequisite: Admission to the Dental Assisting program.*

COURSE DESCRIPTIONS

(DAS-DDT)

Cr Hrs-Lec-Lab
X = Variable

DAS-132 Dental Radiology II 3-2-2
This course provides continued instruction of radiographic procedures which builds upon concepts introduced in Dental Radiology I. *Prerequisite: Grade of "C" or higher in all of the previous Dental Assisting courses.*

DAS-150 Dental Office Procedures 2-2-0
This course provides a study of principles and procedures related to management of the dental practice. Emphasis is placed on maintaining clinical and financial records, client scheduling, and supply and inventory control. Upon completion, students should be able to demonstrate fundamental skills in dental practice management. *Prerequisite: Grade of "C" or higher in all of the previous Dental Assisting courses.*

DAS-160 Expanded Functions 2-1-2
This course provides the study of Missouri Expanded Functions for dental auxiliary. Emphasis is placed on restorative dentistry, orthodontics, periodontics, and prosthodontics. *Prerequisite: Grade of "C" or higher in all of the previous Dental Assisting courses.*

DAS-201 Clinical Chairside 5-0-0-16 (Clinicals)
This course is to practice the principles involved, techniques taught, and skills learned to become an efficient dental assistant while closely working under the direct supervision of a dentist and the dental staff team. *Prerequisite: Grade of "C" or higher in all of the previous Dental Assisting courses.*

(DDT) DRAFTING AND DESIGN TECHNOLOGY

DDT-100 Fundamentals of Drafting 4-2-4
Mechanical drafting is the graphic language used by engineers and technicians in high tech manufacturing environments. The basic drafting skills and knowledge necessary to communicate graphically are investigated using a 2D computer aided drafting system (CAD). This course is required for the Drafting and Design Technology Certificate and A.A.S. Degree.

DDT-110 Geometric Dimensioning and Tolerancing 4-2-4
This course focuses on the application of American National Standards Institute (ANSI) and International Standards Organization (ISO) drafting standards and rules for traditional dimensioning and geometric dimensioning and tolerancing (GD&T) on working drawings for the inspection of precision manufactured parts.

DDT-115 Manufacturing Processes and Materials 4-3-2
This course focuses on the study of mechanical, chemical, physical properties, and structure of engineering materials with heat treating of ferrous and nonferrous metals, and an investigation of the methods used to process these materials.

DDT-150 Descriptive Geometry and 2D CAD 4-2-4
Intermediate Computer-Aided Drafting (CAD) skills are developed for graphic solutions of design problems with regard to spatial relationships using descriptive geometry to produce auxiliary, revolution, intersection and development drawings. *Prerequisite: DDT 100.*

DDT-160 Residential Architectural Drafting 4-2-4
Residential architecture will give the student an understanding of the basic concepts of construction and residential design. This course is based on space relationships required for the family uses of the structure, and explores basic design concepts, both for function and aesthetics. *Prerequisite: DDT 100.*