

Dental Hygiene

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PROGRAM:

Dental Hygiene/AAS

FACULTY:

Professors: Friedman, Schwartz
 Assoc Profs: Archer, Dreyer, Steinerman
 Asst Profs: Cohen-Brown, Cortell, Dillon, Lam
 Lecturer: Childs-Williams
 Sr CLT: Mahalko

Associate in Applied Science in DENTAL HYGIENE

A dental hygienist is a licensed member of the dental health team who provides educational, clinical and therapeutic services to the public, according to the individual state Dental Hygiene Practice Acts. Patient care provided by the dental hygienist includes collection and assessment of pertinent data, planning and implementation of care and evaluation of the results of treatment.

Dental hygiene students are taught responsibility for professional judgment, ethical conduct and infection control. They learn to develop an effective and responsible style of communication, which enables them to involve the patient as a partner in care as a necessary condition for restoring and maintaining the patient's oral health. Students treat a broad range of patients with varied characteristics and health conditions and are given the opportunity to work in a variety of health-care settings with different population groups.

The program includes theory, laboratory and clinical practice and general education courses. Students gain proficiency in clinical skills by treating patients in our on-campus dental hygiene clinic. Satisfactory performance in off-campus affiliated clinics may be required of each candidate for the associate in applied science degree with a major in dental hygiene. Computer experience related to dental hygiene practice is also offered. Prior to beginning clinical assignments, students must complete a departmental medical form, provide proof of required immunizations, malpractice insurance and Health Care Provider CPR certification.

Students must complete all requirements for the AAS degree within five years of the date of their matriculation into the dental hygiene curriculum.

In order to practice dental hygiene, graduates are required to pass a National Board Examination on the theory of dental hygiene and a Regional Board Examination on the clinical practice of dental hygiene. Application for licensure must be made to the individual state(s) where the applicant intends to practice.

Among the employers of the graduates of this program are private dental practices, public and private health agencies, hospitals, industrial clinics, government agencies, U.S. Armed Services, schools of dentistry and dental hygiene and dental supply companies.

Criteria for Admission into and Progression within the Dental Hygiene Curriculum

All new and transfer students who do not meet the admissions criteria for direct entry into the clinical program will be classified as pre-clinical dental hygiene students taking introductory courses. During the introductory courses sequence, students will be programmed for developmental skills courses as needed and credit courses in general education and science, which are required for the degree in dental hygiene. Students who have already taken a high school biology/laboratory course with a minimum grade of "C" may, with department permission, be allowed to enroll in BIO 2311/BY 301.1 instead of BIO 1101/BY 101.

Students will be considered for acceptance into the clinical program each fall if they:

- have been CUNY certified in writing and math and are certified at or above the 12th grade level in reading, and
- have completed all 24 required general education credits as delineated in the NYCCT College catalog and departmental literature with at least "C's" in biology and chemistry and a minimum combined average of 2.5. Grades in repeated courses will be averaged.

Completion of the introductory courses does not guarantee progression into the clinical program.

Progression from Pre-Clinical Dental Hygiene to Clinical Dental Hygiene

After satisfying the prerequisite proficiencies and the required 24 introductory course credits as listed in the statement of requirements with a minimum grade of "C" in the sciences and a cumulative average of 2.5 or better, the student may be admitted to the clinical phase of the dental hygiene program as space permits. Students who have spent a minimum of one semester in introductory course studies at New York City College of Technology may be given preference.

The introductory courses must be completed in a maximum of four semesters after admission to the pre-clinical course sequence of the dental hygiene program. Available seats in the clinical program will be allocated on the basis of the highest cumulative academic averages in the required 24 credit sequence. Students who do not meet the above requirements for progression from the pre-clinical sequence to the clinical program by the end of four semesters will be required to transfer out of the dental hygiene curriculum.

Progression in and Graduation from Dental Hygiene

A minimum grade of "C" in each course designated with the prefix DEN/DH will be required for progression in and graduation from the dental hygiene program. Special conditions of equipment and faculty availability govern the repeating of dental hygiene courses. Course repetition will be permitted only after all students meeting the entrance and progression requirements have been allotted seats. Students who withdraw will be considered for readmittance on an individual basis and only if they withdraw in good standing (passing all courses at time of withdrawal).

As per College policy, no dental hygiene course may be repeated more than once.

In addition:

- No more than two dental hygiene courses may be repeated during the entire course of study.
- A student may not fail more than one course in any one semester.
- If a student fails to meet any of these provisions, he/she will be required to withdraw from the dental hygiene curriculum.

Additional information on departmental regulations is available in the Dental Hygiene Student Handbook.

Approximate additional costs (other than tuition for four semesters)

Board Examinations	\$830
N.Y. State License	\$120
Malpractice Insurance	\$35
Professional Memberships	\$120
Instruments and Supplies	\$600
Textbooks	\$800
Uniforms	\$140
Hygiene Pin	\$65

REQUIRED COURSES IN THE MAJOR

		Credits
DEN 1100/DH 100	Principles of Dental Hygiene Care I	4
DEN 1112/DH 112	Oral Anatomy	2
DEN 1114/DH 114	Histology and Embryology	1
DEN 1200/DH 200	Principles of Dental Hygiene Care II	4
DEN 1217/DH 217	Periodontics I	1
DEN 1218/DH 218	Dental Radiology	2
DEN 2300/DH 300	Principles of Dental Hygiene Care III	5
DEN 2311/DH 311	Oral Pathology	2
DEN 2315/DH 315	Pharmacology	2
DEN 2317/DH 317	Periodontics II	1
DEN 2318/DH 318	Dental Materials	2
DEN 2400/DH 400	Principles of Dental Hygiene Care IV	5
DEN 2413/DH 413	Public Health	2

Subtotal **33**

REQUIREMENTS FOR THE DEGREE

(pre-clinical prerequisites)

Select one of the following two courses for 4 credits:

BIO 1101/BY 101*	Biology I	4
BIO 2311/BY 301.1	Human Anatomy and Physiology I	4
CHEM 1215/CH 215	Principles of Chemistry I	4
ENG 1101/EG 101	English Composition I	3
MAT 1180/MA 180	Mathematical Concepts and Applications	4
PSY 1101/PS 101	Introduction to Psychology	3
SOC 1101/SO 101	Elements of Sociology	3

Select one of the following two courses for 3 credits:

SPE 1330/TS 330	Effective Speaking	3
SPE 1320/TS 320	Voice and Diction	3

Subtotal **24**

OTHER REQUIRED COURSES

BIO 2312/BY 301.2	Human Anatomy and Physiology II	4
BIO 3302/BY 302	Microbiology I	4
BIO 3524/BY 524	Nutrition	2
	Subtotal	10

TOTAL CREDITS REQUIRED FOR THE DEGREE **67**

* BIO 1101/BY 101 is a non-contributory course required only of those students lacking an equivalent high school or college biology/laboratory course which would be acceptable as a prerequisite for BIO 2311/BY 301.1. BIO 1101/BY 101 (or equivalent college level BIO/BY course) will be evaluated as the required prerequisite BIO/BY course for those students who have not taken BIO 2311/BY 301.1. For those students who have taken BIO 2311/BY 301.1 without a prerequisite BIO/BY course, BIO 2311/BY 301.1 will be evaluated as the required prerequisite BIO/BY course.

COURSES:

DEN 1100L/DH 100L

Principles of Dental Hygiene Care I

2 cl hrs, 6 lab hrs, 4 cr (fall only)

An introduction to the didactic concepts and clinical techniques and principles involved in the practice of dental hygiene. Emphasis is on the principles of optimal patient care including: aseptic techniques, patient assessment, personal oral hygiene and plaque control, fundamentals of instrumentation and related body mechanics, principles of instrument sharpening and emerging modalities. Prerequisites: CUNY certification in reading, writing and mathematics, department approval required; corequisites: DEN 1112/DH 112, DEN 1114/DH 114, BIO 2311/BY 301.1, CHEM 1215/CH 215

DEN 1112/DH 112

Oral Anatomy

1 cl hr, 3 lab hrs, 2 cr (fall only)

A study of head and neck anatomy with an emphasis on the structures of the oral cavity. Prerequisites: CUNY certification in reading, writing and mathematics; corequisites: BIO 2311/BY 301.1, DEN 1100L/DH 100L, DEN 1114/DH 114

DEN 1114/DH 114

Histology and Embryology

1 cl hr, 2 lab hrs, 1 cr (fall only)

Developmental and microscopic anatomy of the elementary tissues. Embryologic development of the teeth and oral cavity. Comprehensive study of teeth, their supporting tissues and microscopic anatomy. Corequisites: DEN 1112/DH 112, BIO 2311/BY 301.1

DEN 1200L/DH 200L

Principles of Dental Hygiene Care II

2 cl hrs, 8 lab hrs, 4 cr (spring only)

A continuation of the study of the principles and techniques involved in the practice of dental hygiene, as

introduced in DEN 1100L/DH 100L. All aspects of adult care will be presented in lectures and in clinical practice.

Prerequisites: DEN 1100/DH 100, DEN 1112/DH 112, DEN 1114/DH 114; corequisites: DEN 1217/DH 217, DEN 1218L/DH 218L, BIO 2312/BY 301.2, BIO 3302/BY 302

DEN 1217/DH 217

Periodontics I

1 cl hr, 1 cr (spring only)

This course introduces the student to basic concepts and current treatment modalities of periodontal therapy. Prerequisites: DEN 1110/DH 100, DEN 1112/DH 112, DEN 1114/DH 114; corequisites: DEN 1200/DH 200, DEN 1218/DH 218, BIO 2312/BY 301.2, BIO 3302/BY 302

DEN 1218L/DH 218L

Dental Radiology

2 cl hrs, 3 lab hrs, 2 cr (spring only)

Dental radiology provides the student with the knowledge and experience necessary to work efficiently and safely with x-radiation and radiographic equipment in the dental environment. This course is designed to perfect performance in specific intraoral radiographic techniques and interpretation skills. Prerequisites: DEN 1100/DH 100, DEN 1112/DH 112, DEN 1114/DH 114; corequisites: DEN 1200/DH 200, DEN 1217/DH 217, BIO 2312/BY 301.2, BIO 3302/BY 302

DEN 2300/DH 300L

Principles of Dental Hygiene Care III

2 cl hrs, 12 lab hrs, 5 cr (fall only)

Advanced didactic material and clinical experience. The instructor serves as a group facilitator who assists the student in developing an appreciation for the concepts, topics and procedures related to the clinical experience and in integrating the material into the practice of clinical oral hygiene. Prerequisites: DEN 1200/DH 200, DEN

1217/DH 217, DEN 1218/DH 218;
corequisites: DEN 2311/DH 311,
DEN 2315/DH 315, DEN 2317/DH 317,
DEN 2318L/DH 318L

**DEN 2311/DH 311
Oral Pathology**

2 cl hrs, 2 cr (fall only)
Basic principles of pathology with special reference to diseases of the oral cavity and contiguous structures, and their clinical considerations in dental hygiene treatment.
Prerequisites: DEN 1100/DH 100, DEN 1112/DH 112, DEN 1114/DH 114; corequisites: DEN 1200/DH 200, DEN 1217/DH 217, BIO 2312/BY 301.2, BIO 3302/BY 302

**DEN 2315/DH 315
Pharmacology**

2 cl hrs, 2 cr (fall only)
Pharmacological action of drugs on functions of the body. Therapeutics of drugs commonly employed in dental practice.
Prerequisites: BIO 2312/BY 301.2, BIO 3302/BY 302; corequisites: DEN 2300/DH 300, DEN 2311/DH 311

**DEN 2317/DH 317
Periodontics II**

1 cl hr, 1 cr (fall only)
Advanced study of concepts and current treatment modalities of periodontal therapy
Prerequisites: DEN 1200/DH 200, DEN 1217/DH 217; corequisites: DEN 2300/DH 300, DEN 2311/DH 311, DEN 2315/DH 315

**DEN 2318L/DH 318L
Dental Materials**

2 cl hrs, 2 lab hrs, 2 cr (fall only)
The study of sources, physical and chemical characteristics of materials used in dentistry.
Prerequisites: CHEM 1215/CH 215, DEN 1200/DH 200; corequisite: DEN 2300/DH 300

**DEN 2400L/DH 400L
Principles of Dental Hygiene Care IV**

2 cl hrs, 12 lab hrs, 5 cr (spring only)
Continuation of the principles and techniques involved in the practice of dental hygiene as introduced in DEN 1100/DH 100, DEN 1200/DH 200 and DEN 2300/DH 300. Using the knowledge and skills acquired in this and previous semesters, the student will assess each patient assigned, formulate a treatment plan, complete treatment and evaluate results.
Prerequisites: DEN 2300/DH 300, DEN 2311/DH 311, DEN 2315/DH 315, DEN 2317/DH 317, DEN 2318/DH 318; corequisites: DEN 2413/DH 413, BIO 3524/BY 524

**DEN 2413/DH 413
Introduction to Dental Public Health**

2 cl hrs, 1 field consultation hr, 2 cr (spring only)
The dental hygienists' role as an educator and resource person in the field or public and community health is examined. Field experience and participation in dental education programs are included.
Prerequisite: MAT 1180/MA 180; corequisite: DEN 2400/DH 400

**DEN 3520/DH 520
Topics in Dental Hygiene**

3 cl hrs, 3 cr
An overview of alternative career pathways for the graduate dental hygienist, reflective of the established industry needs. Students will explore opportunities within the industrial, educational, and administrative arenas, as well as, review emerging technologies and issues of patient advocacy.
Prerequisites: DEN 2400/DH 400, HSA 3510/HL 510, HSA 4740/IHL 740 or department approval required

**DEN 3522/DH 522
Advanced Clinical Practice Seminar**

3 cl hrs, 3 cr
This course will explore advanced concepts in dental hygiene theory and present current research and existing trends in several areas of clinical dental hygiene practice.
Prerequisites: DEN 2400/DH 400, HSA 4740/IHL 740

**DEN 2700/DH 700
Dental Hygiene Internship**

1 cl hr, 4 field hrs, 2 cr (spring only)
An elective course offered in the spring semester for second-year dental hygiene students. Department approval required in order to be eligible to enroll in this course. The dental hygiene student will function as an intern for 60 field hours at an area hospital. Depending upon the availability of spaces and hospital selection, different internship sites will emphasize specific aspects of dentistry. As allowed by the New York State Dental Practice Act, the dental hygiene intern will observe and/or participate in the management of dental patients with complex medical or dental needs, such as dental implants, surgical extractions, biopsies of oral lesions, periodontal surgery and pediatric dental caries.
Prerequisite: Department approval required
Note: DEN 2700/DH 700 is an elective course. It is not a course required for graduation from the dental hygiene department.

Health Services Administration

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PROGRAM:

Health Services Administration

Bachelor of Science in HEALTH SERVICES ADMINISTRATION

The BS in Health Services Administration program is an upper-level interdisciplinary curriculum designed to develop a career ladder for licensed/certified associate degree health professionals. The program builds on the strengths and course work of the associate degree programs in dental hygiene, dental laboratory technology, nursing, vision care technology and radiologic technology and medical imaging, as well as associate degree clinical health professions in other areas. For example, a City Tech dental hygiene graduate with 68 credits will need only 52 additional credits to receive a bachelor of science degree (total 120 credits). Upper level electives are offered for dental hygiene, nursing and radiologic technology professionals.

Healthcare is the fastest growing industry in the United States. Healthcare services administration integrates all aspects of healthcare. Health services administrators are often responsible for facilities and equipment budgets, as well as hundreds of employees. These positions can involve human resources, accounting, marketing and sales planning, information systems and facilities management.

The graduates of this baccalaureate program are prepared to hold a position as manager or administrator in a variety of health care facilities including insurance companies, healthcare suppliers, medical/dental clinics, group practices, health maintenance organizations, nursing homes, community health agencies, hospitals and health care agencies. Students are also prepared to enter graduate school.

Prerequisites for entering the program are an appropriate associate degree and licensure or certification in a clinical health science discipline, with a minimum grade point average of 2.5. Students will meet with a faculty advisor who will review their transcripts to ensure the proper placement within the program. Transfer students from other colleges will not be accepted without an appropriate associate degree.

Please contact the admissions office or the program coordinator at 718.260.5957 for more information or an appointment.

The College will grant a bachelor of science degree with a major in health services administration upon satisfactory completion of a minimum of 120 credits.