

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.

REQUIRED COURSES IN THE MAJOR		Credits
	Associate level courses in discipline and upper-level professional electives ¹	42
HSA 3510/HL 510	Health Services Management I	3
HSA 3602/HL 602	Health Services Management II	3
HSA 4740/HL 740	Health Research Methods	3
HSA 3560/HL 560	Legal Aspects of Health Care	3
HSA 4620/HL 620	Health Care Info Systems	3
HSA 3630/HL 630	Health Care Finance and Management Accounting	3
	Health Services Courses	18
	Subtotal	60
OTHER REQUIRED COURSES		
ENG 1101/EG 101	English Composition I	3
MATH 1 and 2 ³	Mathematics	8
PHIL 1203/PH 103.1	Health Care Ethics	3
PSY 1101/PS 101	Introduction to Psychology	3
SPE ³	Speech	3
LAP ³	Literature/Aesthetics/Philosophy	3
LIT ³	Literature	3
PSY 2404/PS 404	Personnel and Org Psych	3
ENG 1121/EG 121	English Comp II	3
ECON 1101/EN 101	Macroeconomics	3
ECON 2403/EN 403	Labor Management Relations	3
SCI 1 and 2 ³	Science	8
	Electives and required associate degree courses in arts and science ²	14
	Subtotal	60
	TOTAL CREDITS REQUIRED FOR THE DEGREE	120
¹ Transfer credit to be reviewed with the program coordinator. Where fewer than 42 professional credits transfer, students will supplement with additional professional and elective courses approved by the program.		
² With approval of program coordinator.		
³ See page 34 for detailed explanation of core required courses and categories.		

COURSES:**HSA 3510/HL 510
Health Services
Management I**

3 cl hrs, 3 cr

Systems for the delivery of health services and related issues will be examined. The course will explore the present and probable future of the industry, including the historical shift from a policy system to a market driven system. Classes are forums of discussion emphasizing contemporary issues related to health care professionals, facilities and organization patterns of both

the system and related suppliers and industries.

Prerequisite: Admission to the Health Services Administration program or department approval required

**HSA 3560/HL 560
Legal Aspects of Health Care**

3 cl hrs, 3 cr

This course will explore ethical and legal issues and their interaction in today's dynamic health care arena. By studying legal principles, decision-making and cases, students

will learn to understand, integrate and apply these disciplines in the health arena.

Pre- or corequisite: HSA 3510/HL 510

**HSA 3602/HL 602
Health Services
Management II**

3 cl hrs, 3 cr

Through analysis, discussion, and problem solving in a seminar format, this course will acquaint the student with issues that impact their profession, the healthcare industry and their role as managers.

Prerequisites: HSA 3510/HL 510, PSY 2404/PS 404, ECON 2403/EN 403

**HSA 4620/HL 620
Health Care Information
Systems**

3 cl hrs, 3 cr

This course will provide an in-depth view of the information technology used by the health care industry. HL 620 will examine all the components that make up the clinical and administrative information systems in health care organizations and will give students the information needed to participate in decisions regarding appropriate systems selection and management.

Prerequisites: HSA 3510/HL 510, Computer Literacy or MST 1101/MS 101

**HSA 3630/HL 630
Health Care Finance and
Accounting Management**

3 cl hrs, 3 cr

This course is designed to develop the decision makers' understanding and management of financial information in the health care industry. Emphasis will be placed on concepts that will allow students to understand the huge, complex, and in many ways unique, health care industry.

Prerequisites: HSA 3510/HL 510, ECON 1101/EN 101, MAT 1175/MA 175 or MAT 1180/MA 180

**HSA 4740/HL 740
Health Research Methods**

3 cl hrs, 3 cr

This course will provide the student with a background and experience in the research process relevant to the health services field. Health services research is scientific inquiry to produce knowledge about the resources, provision, organizing, financing and policies of the health sector, as well as prevention of disease and current research into health.

Prerequisites: HSA 3510/HL 510, HSA 3602/HL 602, MAT 1272/IMA 272 or MAT 1275/IMA 275

**HSA 4900/HL 900
Health Services Internship**

1 cl hrs, wkly seminar, 105 internship hrs, 3 cr

This course is designed to give students a general field experience in a health service organization or in an area of specialization, based on the student's area of interest or professional concentration. Students will have the opportunity to apply their formal education to actual work situations in an effort to ease the transition from the classroom to the work environment.

Class hours will focus on the strategic management of healthcare organizations and the sharing of information with other participants in the course.

Prerequisites: HSA 3560/HL 510, HSA 3602/HL 602, HSA 4620/HL 620, and department approval required