

# DENTAL HYGIENE

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## Program Outline

<b>Major:</b>	DNTH
<b>Length:</b>	2 Years
<b>Delivery:</b>	6 Semesters
<b>Credential:</b>	Ontario College Diploma
<b>Effective:</b>	2012-2013
<b>Location:</b>	Barrie
<b>Start:</b>	Fall (Barrie)

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### Description

The Dental Hygiene program will prepare the student to assume a position as a dental hygienist capable of providing preventive and therapeutic dental hygiene services utilizing the Dental Hygiene Process. In all roles and practice settings, the dental hygienist works with the client and community using a problem-solving framework; basing all decisions, judgments and interventions on current dental hygiene research and theory. The program will prepare the graduate for the legal and ethical responsibilities of a dental hygienist and with a basic understanding of business practices related to self-employment.

### Career Opportunities

As a dental hygienist, the graduate may work independently, interdependently and collaboratively with health professionals in a variety of practice settings, including private dental practices, community clinics, public health programs, institutions and long term care facilities. The graduate may choose to work as an employee or be self-employed.

### Program Learning Outcomes

The graduate has reliably demonstrated the ability to:

- practise in a professional and competent manner within the defined scope of practice and consistent with current regulations and standards of practice;

- evaluate clients' oral health status using determinants of health and risk analysis to identify needs, justify treatment decisions and provide appropriate referrals to other health care professionals as required;
- design, implement and evaluate a range of primary, interceptive, therapeutic, preventative, and on-going oral health care services to meet the unique needs of clients;
- analyze oral health issues in need of advocacy, identify networks and promote actions that will support change and facilitate access to care;
- identify, select, implement and evaluate quality assurance standards and protocols which contribute to a safe and effective working environment;
- establish and maintain professional and interprofessional relationships which contribute to client care safety and positive health care outcomes;
- facilitate the development of specific oral health attitudes, knowledge, skills, and behaviours in clients by selecting and utilizing principles of teaching and learning;
- develop and present a model for a DH practice that addresses relevant business principles, current legislation and standards of practice;
- recognize and stress the importance of utilizing environmentally friendly products and supplies within the work environment.

### **External Recognition:**

Dental Hygiene Program is accredited by the Commission on Dental Accreditation of Canada.

The graduate of this program is entitled to write the National Dental Hygiene Certification Board Examination. Upon successful completion of this examination and the Georgian College Dental Hygiene Program, the graduate will be eligible for registration to practice in the province of Ontario as specified in the regulations of the Regulated Health Professions Act and the Dental Hygiene Act. Registration with the College of Dental Hygienists of Ontario is a legal requirement to practice and is subject to the regulations and restrictions established by this governing body.

### **The Program Progression:**

Fall Intake - Barrie

Sem 1	Sem 2	Sem 3	Sem 4	Sem 5	Sem 6
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Fall 2012	Winter 2013	Summer 2013	Winter 2014	Summer 2014	Fall 2014

### **Articulation:**

A number of articulation agreements have been negotiated with universities and other institutions across Canada, North America and internationally. These agreements are assessed, revised and updated on a regular basis. Please contact the program co-ordinator for specific details if you are interested in pursuing such an option. Additional information can be found on our website at <http://www.georgianc.on.ca/academics/articulations/>

**Admission Requirements:**

Applicants must meet ONE of the following requirements to be eligible for admission to this program:

- OSS curriculum: OSSD or equivalent with Grade 12 English (C) or (U) (ENG 4C, ENG 4U); plus Grade 12 Chemistry College or Grade 11 or 12 University Chemistry (SCH 4C, SCH 4U, SCH 3U); plus any Grade 11 or 12 College or University Biology (SB13C, SB13U or SB14U).
- Academic and Career Entrance Certificate (ACE) program with: Communications, Chemistry and Biology
- Ontario High School Equivalency Certificate (GED); meets English requirements, not sciences
- Mature applicant with standing in the required courses and/or mature student testing that meets the minimum standards for admission

Computer skills and knowledge of basic math calculations is highly recommended.

Applicants who are 19 years of age or over by the first day of classes, and who lack the academic entrance qualifications, may be considered for entrance to an appropriate post-secondary diploma or certificate program as mature applicants. Each applicant will be considered on an individual basis and acceptance will be determined by counselling, Communication Placement Assessment (CPA), previous post-secondary education and evaluation of experience. Some programs also have specific prerequisite requirements that must be met prior to admission. Mature applicants must meet all program specific prerequisites. Those applying as mature students and having no documentation of Grade 12 education must supply, if required, proof of age, such as a copy of an official birth certificate or driver's licence. Refer to Section 2.5 and 2.6 of the Academic Calendar for further details.

**Selection Process:**

Applicants are required to complete the Health Occupations Aptitude Examination as part of the selection process. This test measures reading comprehension, spelling, natural sciences and verbal/non-verbal reasoning. Scores from this test as well as academic grades are used to determine acceptance. Applicants will be assessed and ranked based on the results of their testing and their academic background.

**Additional Information:**

In addition to these requirements, applicants must also provide proof of a current First Aid and C.P.R. Level "C" or "HCP" certification, prior to the commencement of preclinical courses in Semester 1. Annual CPR re-certification is mandatory.

Applicants are advised that the clinical requirements of the program and future employment require good vision (with or without corrective lenses) and visual perception; ability to sit for prolonged periods of time and manipulate small instruments with repetitive motion. Applicants with back/neck/wrist or visual problems should discuss individual concerns with the program Co-ordinator.

Applicants must also be comfortable speaking in front of individuals and groups.

Certain clinical placements will require students to have updated flu shots, TB testing and Hepatitis B vaccination as well as a Police Record Check (including Vulnerable Sector Screening"/ and a check of the Pardoned Sex Offender Data Base). It is the student's responsibility to ensure he or she is eligible to participate in clinical placements. The College assumes no responsibility for these matters and students should be aware that tuition will not be refunded in the event that access to a placement is denied.

Registration with the College of Dental Hygienists of Ontario (CDHO) is mandatory to practice as a dental hygienist in Ontario. Note: A history of criminal offences or charges of professional misconduct in another jurisdiction or another profession may interfere with your ability to become registered in Ontario. Should either situation apply, you are recommended to seek clarification with the CDHO before applying to the dental hygiene program at Georgian College.

**Graduation Requirements:**

- 31 Mandatory Courses
- 2 Communications Courses
- 5 General Education Courses

**Graduation Eligibility:**

To graduate from this program, the passing weighted average for promotion through each semester, from year to year and to graduate is 60%. Additionally, a student must attain a minimum of 50% or a letter grade of P (Pass) or S (Satisfactory) in each course in each semester.

**Mandatory Courses**

- BIOL1001 Anatomy and Physiology - Introductory Concepts
- BIOL1002 Anatomy and Physiology - Advanced Concepts

BIOL2008 Human Pathophysiology  
 BUSI3007 Business Principles for the Regulated Professional  
 DENT1013 General and Oral Microbiology  
 DENT1014 Dental and Orofacial Anatomy  
 DENT1016 Dental Hygiene Process  
 DENT1017 Dental Hygiene Practice Administration  
 DENT1018 Applied Oral Health Promotion  
 DENT1019 Oral Histology and Embryology  
 DENT1021 Medical and Pharmacological Considerations for Dental Hygiene Care  
 DENT1022 Periodontics For The Dental Hygienist  
 DENT1044 Pre-Clinical Dental Hygiene  
 DENT1045 Introduction to the Dental Hygiene Profession  
 DENT1046 Dental Radiography for the Dental Hygienist  
 DENT2000 General and Oral Pathology for the Dental Hygienist  
 DENT2001 Professional Issues in Dental Hygiene  
 DENT2005 Role of the Dental Hygienist  
 DENT2007 Health Promotion and Community Dental Health  
 DENT2008 Applied Clinical Theory  
 DENT2017 Introduction to Dental Hygiene Clinical Practice  
 DENT2018 Dental Hygiene Clinical - Intermediate  
 DENT3005 Evidence Based Dental Hygiene Practice  
 DENT3006 Dental Hygiene Clinical - Advanced  
 DENT3007 Dental Hygiene Clinical Consolidation  
 HLTH1000 Health Care in Canada  
 HLTH1003 Preparation for Clinical Practice  
 HLTH2003 Diverse Populations and Health Beliefs  
 HLTH3000 Interprofessional Practice  
 HLTH3001 Health Policy and Advocacy  
 STAT2005 Introduction to Statistics and Research Methods

#### Communications Courses

To be selected at time of registration from the College list, as determined by testing.

#### General Education Courses

To be selected from College list

#### Course Descriptions:

BIOL1001 Anatomy and Physiology - Introductory Concepts 42.0 Hours

This course is the study of normal anatomy and physiology beginning with an orientation to the body and continuing through the cell, and four of the major systems: the integumentary system, the musculoskeletal system, the nervous system and the

endocrine system. An introduction to microbiology is included. Three unifying themes, the interrelationships of body organ systems, homeostasis, and the complementarities of structure and function, will provide the basis of understanding the workings of the human body.

**BIOL1002 Anatomy and Physiology - Advanced Concepts 42.0 Hours**

This course is the study of normal anatomy and physiology of the human body. It is a study of the following major body systems: circulatory system, lymphatic system, respiratory system, urinary system and reproductive system. Three unifying themes, the interrelationships of body organ systems, homeostasis, and the complementarities of structure and function, will provide the basis of understanding the workings of the human body.

P- BIOL1001 Anatomy and Physiology - Introductory Concepts

**BIOL2008 Human Pathophysiology 42.0 Hours**

This course will be an introduction to human disease and will focus on the fundamental principles of homeostatic mechanisms. The student will explore how alterations in homeostatic mechanisms will disrupt the human body. Mechanisms of disease will be studied by systems and will be examined for the effect that they produce on the structure and function of the body. Common diseases will be used to illustrate concepts.

P- BIOL1002 Anatomy and Physiology - Advanced Concepts and P- DENT2017

Introduction to Dental Hygiene Clinical Practice and C- DENT2018 Dental Hygiene Clinical - Intermediate

**BUSI3007 Business Principles for the Regulated Professional 42.0 Hours**

Students in this course will learn about their rights and responsibilities under various forms of employment. Students will also be exposed to the basic business concepts for establishing and operating a successful small business in their chosen health care field, and under the guidelines provided by the appropriate College and/or regulatory agency.

P- MASG3005 Massage Theory and Practice 5 or P- DENT1047 Introduction to the Dental Hygiene Profession

**DENT1013 General and Oral Microbiology 42.0 Hours**

The student will study groupings of micro-organisms starting with the general characteristics of morphology and growth. The role these micro-organisms play in the initiation and progression of human diseases will be considered as well as modes of disease transmission, and the necessity for infection control procedures within dental settings. The student will be introduced to the microbiology of the oral cavity and its relationship to common dental/oral diseases.

**DENT1014 Dental and Orofacial Anatomy 42.0 Hours**

This course discusses the oral anatomic landmarks and establishes an understanding of the relationship between structure and function. The student will learn detailed anatomy of the teeth and the relationships between the structures in and around the

mouth, including the skull, muscles of mastication, blood vessels, nerves, salivary glands and oral soft tissues.

#### DENT1016 Dental Hygiene Process 126.0 Hours

In this course students will continue to apply the Dental Hygiene Process with emphasis on periodontal assessment skills, instrumentation skills, treatment planning and evaluation of treatment outcomes. Various dental specialties and common dental materials will be introduced through lectures and practical demonstrations. Students will protect the environment by responsible use of consumables and disposal of waste products including biohazardous wastes.

(P- DENT1013 General and Oral Microbiology or P- DET6185 General & Oral Microbiology) and (P- DENT1014 Dental and Orofacial Anatomy or P- DET6184 Dental & Orofacial Anatomy) and P- DENT1044 Pre-Clinical Dental Hygiene and (C- DENT1018 Applied Oral Health Promotion or C- DET6188 Applied Oral Health Promo) and C- DENT1046 Dental Radiography for the Dental Hygienist

#### DENT1017 Dental Hygiene Practice Administration 42.0 Hours

In this course, the student will study the principles and practices necessary to operate a dental/dental hygiene practice. The student will learn how to complete third party insurance predeterminations and claim forms, establish and use an expense and disbursement account system and the operation of a computerized dental office management system.

P- DENT1016 Dental Hygiene Process or P- DET6195 Dental Hygiene Process

#### DENT1018 Applied Oral Health Promotion 42.0 Hours

This course will introduce theory to familiarize the student with prevention of oral diseases, halitosis and trauma by promoting behavioural change in individuals. Emphasis is placed on self care methods for oral plaque control including oral/dental aids, toothpastes and mouthrinses, diet and client motivation. The use of topical fluoride as an anticaries agent and adoption of oral safety measures will be examined. Students will use this knowledge to create instructional materials. An introduction to teaching and learning theories and learning plans for individualized instruction will be provided.

(P- DENT1013 General and Oral Microbiology or P- DET6185 General & Oral Microbiology) and P- DENT1044 Pre-Clinical Dental Hygiene and C- DENT1016 Dental Hygiene Process

#### DENT1019 Oral Histology and Embryology 42.0 Hours

In this course the student studies normal development of the oral cavity and facial complex and the influence of diseases on normal development. A histological background is provided for the development of bone, cartilage, teeth, oral mucosa, tongue, temporomandibular joint, the periodontium, and salivary glands. This knowledge provides the foundation for further study of developmental disturbances and histological changes in oral diseases.

(P- DENT1014 Dental and Orofacial Anatomy or P- DET6184 Dental & Orofacial Anatomy) and C- DENT1016 Dental Hygiene Process

DENT1021 Medical and Pharmacological Considerations for Dental Hygiene Care 42.0 Hours

This course examines the use of pharmaceuticals to treat general and oral health problems. The study of drugs used in dental treatment will include consideration for their origin, physical and chemical properties, modes of administration and effects upon the body systems. In addition, the impact of client medication (prescribed or over-the-counter) on oral structures treatment will be discussed. Pain management and management of various medical conditions will also be examined.

P- DENT1016 Dental Hygiene Process and P- BIOL1001 Anatomy and Physiology - Introductory Concepts and P- BIOL1002 Anatomy and Physiology - Advanced Concepts and C- DENT2019 Dental Hygiene Clinical - Introduction

DENT1022 Periodontics For The Dental Hygienist 42.0 Hours

In this course the student will study the histology, physiology, and pathology of those tissues that surround and support the teeth. The student will learn about the disease process affecting the periodontal tissues and the fields of preventive and therapeutic periodontics with emphasis on the clinical role of the dental hygienist.

P- DENT1013 General and Oral Microbiology and P- DENT1016 Dental Hygiene Process and P- DENT1019 Oral Histology and Embryology and C- DENT2017 Introduction to Dental Hygiene Clinical Practice

DENT1044 Pre-Clinical Dental Hygiene 98.0 Hours

This is an introductory course integrating the theory and practice of specific dental hygiene skills; in particular assessment skills, positioning and infection control. Students will apply these concepts during preclinical and dental materials lab sessions. In addition, students will develop an awareness of WHMIS and equipment maintenance and the importance of protecting the environment by responsible use of consumables and safe disposal of waste products.

C- DENT1014 Dental and Orofacial Anatomy

DENT1045 Introduction to the Dental Hygiene Profession 42.0 Hours

This course provides an introduction to the profession of dental hygiene and the regulatory context for dental hygiene practice. An overview of the history of the profession and its evolution as a self-regulated profession in Ontario will provide the background for further discussion regarding the legislation related to dental hygiene; the role of the College of Dental Hygienists of Ontario; and the scope of practice and recognition of dental hygienists as a clinician, oral health educator, health promoter, advocate and coordinator. The significance of standards of practice, quality assurance, ethics and professional associations are explored. Finally students will be introduced to the concept of interprofessional care.



**DENT1046 Dental Radiography for the Dental Hygienist 56.0 Hours**

This course prepares the student to take and process acceptable dental radiographs. The student learns the basic principles of radiation production and safe operation of the dental x-ray unit. Additional instruction will be provided in recognizing and solving problem situations, client management and identification of normal anatomic landmarks and developmental disturbances. Students will expose dental radiographs using bisecting angle and paralleling techniques and manage waste to minimize impact on environment.

P- DENT1014 Dental and Orofacial Anatomy and (P- DENT1044 Pre-Clinical Dental Hygiene or P- DENT1015 Preclinical Dental Hygiene)

**DENT2000 General and Oral Pathology for the Dental Hygienist 42.0 Hours**

This course will emphasize clinical, radiographic, histological and immunological features of oral pathologic lesions. General pathology will be integrated in areas where it is applicable and through assignments. During this course, students will expand their knowledge of oral pathology by identifying common oral lesions, discussing the causes of the lesion and considering treatment options.

P- DENT2017 Introduction to Dental Hygiene Clinical Practice and C- BIOL2008 Human Pathophysiology

**DENT2001 Professional Issues in Dental Hygiene 42.0 Hours**

This course will explore the profession of Dental Hygiene including regulations, ethical decision-making and conflict resolution. The role of the College of Dental Hygienists of Ontario will be reviewed in detail with emphasis placed on the Standards of Practice and Quality Assurance program. Employment relationships and professional boundaries will be discussed. In addition, the role of professional associations will be explored. Students will develop a professional portfolio.

C- DENT1023 DH Clinical - Intermediate or P- DET6289 Dental Hygiene Clinical - Int

**DENT2005 Role of the Dental Hygienist 42.0 Hours**

This course provides knowledge of the specialties of orthodontics and paedodontics. During the study of orthodontics, the student will learn the theory of tooth movement, malocclusions and treatment while gaining practical lab experience with associated clinical skills. In paedodontics, issues related to development and care of the primary and mixed dentitions will be reviewed with emphasis on child management and teaching strategies.

(P- DENT2002 Dental Hygiene Clinical - Advanced or P- DET6290 Dental Hygiene Clinical - Adv) and (C- DENT2004 DH Clinical Consolidation or P- DET6292 DH Clinical Consolidation)

**DENT2007 Health Promotion and Community Dental Health 42.0 Hours**

In this course the student will discuss the role of the dental hygienist in community and public health, health promotion and health related education activities and messaging for individuals and groups. Included in this course is an introduction to strategies for the

promotion of health through marketing, health education, collaboration, mass media use, and community organization. A study of epidemiological data, current trends and issues, the processes in program planning, the principles of teaching and learning and key factors for program evaluation will set the foundation for more advanced courses and service learning practicum in community settings.

P- DENT1018 Applied Oral Health Promotion and P- DENT2017 Introduction to Dental Hygiene Clinical Practice and C- HLTH2003 Diverse Populations and Health Beliefs and C- DENT2018 Dental Hygiene Clinical - Intermediate and C- STAT2005 Introduction to Statistics and Research Methods

#### DENT2008 Applied Clinical Theory 42.0 Hours

This course will allow students to apply knowledge learned in previous semesters while expanding their understanding of client care and collaborative working relationships. Current technology used in dental hygiene practice will be introduced as well as dietary counselling and tobacco product cessation. Practical experiences within this course will assist students in their transition to direct client care. An emphasis is placed on effective communication with other health care professionals and clients and the use of clinical evidence to make decisions.

P- DENT1016 Dental Hygiene Process and C- DENT2017 Introduction to Dental Hygiene Clinical Practice

#### DENT2017 Introduction to Dental Hygiene Clinical Practice 84.0 Hours

During this course students will transition into the provision of direct client care. Students will provide comprehensive dental hygiene care for a student partner prior to providing services to community clients. The Dental Hygiene Process of Care will be reinforced; advanced instrumentation skills introduced; and environmentally friendly practices encouraged. Students must provide proof of CURRENT CPR and FIRST AID CERTIFICATION and a COMPLETED IMMUNIZATION RECORD to be scheduled in client care clinics.

P- DENT1016 Dental Hygiene Process and P- DENT1018 Applied Oral Health Promotion and P- DENT1046 Dental Radiography for the Dental Hygienist and P- HLTH1003 Preparation for Clinical Practice and C- DENT1021 Medical and Pharmacological Considerations for Dental Hygiene Care and C- DENT1022 Periodontics For The Dental Hygienist and C- DENT2008 Applied Clinical Theory

#### DENT2018 Dental Hygiene Clinical - Intermediate 126.0 Hours

The student will continue to provide clinical services using the Dental Hygiene Process for a variety of dental hygiene clients. Students will expand their client base to include periodontal clients. The provision of dental hygiene services will be extended to a community setting. Students will be expected to assume more responsibility for decision-making regarding client care and personal and professional growth. Students will protect the environment by responsible use of consumables and disposal of waste products.

P- DENT2017 Introduction to Dental Hygiene Clinical Practice and C- BIOL2008 Human Pathophysiology and C- DENT2000 General and Oral Pathology for the Dental Hygienist and C- HLTH2003 Diverse Populations and Health Beliefs

**DENT3005 Evidence Based Dental Hygiene Practice 42.0 Hours**

The course will build on a basic knowledge of statistics and research methods used in health research. The student will examine the use of scientific research in professional practice. The student will also learn to critically appraise scientific articles and make clinical decisions using an evidence based process. Finally the student will disseminate information in writing and orally.

**DENT3006 Dental Hygiene Clinical - Advanced 126.0 Hours**

The student will continue to provide clinical services for a variety of dental clients. Students will also work in a collaborative relationship with dental assistant students. In addition, students will experience the dental hygiene process in a non-traditional setting. Students will protect the environment by responsible use of consumables and disposal of waste products. In addition, some placement agencies may require police background checks and additional immunization (i.e. flu shot).

**DENT3007 Dental Hygiene Clinical Consolidation 126.0 Hours**

The student will continue to gain experience in clinic and non-traditional settings. Emphasis will be placed on time management, positive environmental practices and consolidation of skills. Students will be expected to assume responsibility for decision-making regarding client care, personal and professional growth. In addition, some placement agencies may require police background checks and additional immunization (i.e. flu shot).

**HLTH1000 Health Care in Canada 42.0 Hours**

This course will increase your students understanding of the principles of the Canada Health Act and the social, technological and economical factors that influence health care. You will develop a global view through exploring our national health care system. You will develop an awareness of what it means to be a health care worker as you explore the influence of professional values and ethics on health care decisions. Trends that are currently affecting health care delivery will be discussed.

**HLTH1003 Preparation for Clinical Practice 42.0 Hours**

This course will assist the student in preparing for entry into clinical practice within Georgian College. The student will learn the characteristics of a positive client/practitioner relationship and the professional and ethical responsibilities related to client care. In addition the student will learn how to collect client information consistent with current privacy regulations and professional standards of practice. Finally students will experience how to share information with other health care professionals within the client's Circle of Care.

P- MASG1001 Therapeutic Relationships or P- DENT1044 Pre-Clinical Dental Hygiene

#### HLTH2003 Diverse Populations and Health Beliefs 42.0 Hours

This course will allow the student to gain better awareness and empathy for individuals who have cognitive, physical, psychological, sensory or emotional needs including how to recognize barriers to care and modify care to meet needs. Further consideration will be given to cultural issues that influence access to health care. The unique needs of various groups including the elderly, children and persons with disabilities will also be investigated.

#### HLTH3000 Interprofessional Practice 42.0 Hours

This course considers the role of the healthcare professional as part of an interprofessional health team. Students will engage in health activities as part of interprofessional teams through case management scenarios and practical experiences. Students will develop skills in communicating with and gaining a deeper understanding of other professions. Recognizing the relative strengths of each group and managing conflict will also be reviewed.

#### HLTH3001 Health Policy and Advocacy 42.0 Hours

This course explores the impact of health policy on self and society. A broader overview of how policies are developed will allow for the discussion of health issues in need of policy decisions and the evaluation of policy alternatives. The role of advocacy by individuals in society as well as stakeholder groups will be considered as it relates to influencing policy directions. An overview of policy writing will be provided. Encouragement for future involvement as community citizens will be fostered.

#### STAT2005 Introduction to Statistics and Research Methods 42.0 Hours

This course provides the student with a basic understanding of research and statistics. An overview of research methodologies, data collection, research design, bias and research ethics will be included to ensure the student can critically appraise a research paper. Students will be introduced to the methods used to present and describe information as well as some ability to draw conclusions about populations of data based on samples.

#### **Course Description Legend**

P = Prerequisite; C = Concurrent prerequisite; CO= Corequisite

*Information contained in College documents respecting programs is correct at the time of publication. Academic content of programs and courses is revised on an ongoing basis to ensure relevance to changing educational objectives and employment market needs. The college reserves the right to add or delete programs, options, courses, timetables or campus locations subject to sufficient enrolment, and the availability of courses.*

