

## DENTAL HYGIENE

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### Program Outline

<b>Major:</b>	DNTH
<b>Length:</b>	3 Years
<b>Delivery:</b>	6 Semesters
<b>Credential:</b>	Ontario College Advanced Diploma
<b>Effective:</b>	2015-2016
<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:**

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

The above program learning outcomes have been established for all community college dental hygiene programs and meet the current requirements of the College of Dental Hygienists of Ontario, Commission on Dental Accreditation of Canada and the National Dental Hygiene Competency Examination. These outcomes exceed the current Provincial Program Standards.

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		Winter		Summer		Winter		Summer		Fall
2015		2016		2016		2017		2017		2017

### **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.georgiancollege.ca/admissions/credit-transfer/>

### **Admission Requirements:**

OSSD or equivalent with

- Grade 12 English (C or U)
- Grade 12 Chemistry (C) or Grade 11 or 12 Chemistry (U)
- Grade 11 or 12 Biology (C or U)

Mature students, non-secondary school applicants (19 years or older), and home school applicants may also be considered for admission. Eligibility may be met by applicants who have taken equivalent courses, upgrading, completed their GED, and equivalency testing. For complete details refer to: [www.georgiancollege.ca/admissions/policies-procedures/](http://www.georgiancollege.ca/admissions/policies-procedures/)

Applicants who have taken courses from a recognized and accredited post-secondary institution and/or have relevant life/learning experience may also be considered for admission; refer to the Credit Transfer Centre website for details: [www.georgiancollege.ca/admissions/credit-transfer/](http://www.georgiancollege.ca/admissions/credit-transfer/)

### **Selection Process:**

Applicants will be assessed and ranked based on academic grades. A minimum grade of 75% in each pre-requisite subject is recommended.

### **Additional Information:**

In addition to these requirements, applicants must also provide proof of a current Standard First Aid and C.P.R. Level "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 - refer to Criminal Reference Check below). 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.

**\*\* CRIMINAL REFERENCE CHECK \*\***

Placement agencies require an up-to-date clear criminal reference check and vulnerable sector check prior to going out on placement. Students should obtain their criminal reference three months prior to placement; checks conducted earlier may not be considered current. As some jurisdictions require longer lead-time for processing, please check with the program coordinator to ensure you allow for sufficient turn-around time. It is the students responsibility to provide the completed document prior to placement start.

NOTE: Individuals who have been charged or convicted criminally and not pardoned will be prohibited from proceeding to a clinical or work placement.

**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 unless otherwise stated on the course outline.

#### 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 of Care
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
DENT1046	Dental Radiography for the Dental Hygienist
DENT1047	Introduction to the Dental Hygiene Profession
DENT2000	Oral Pathology
DENT2001	Professional Practice and Jurisprudence
DENT2005	Role of the Dental Hygienist in Orthodontics
DENT2007	Health Promotion and Community Dental Health
DENT2008	Applied Clinical Theory
DENT2018	Dental Hygiene Clinical - Intermediate
DENT2019	Introduction to Clinical Dental Hygiene
DENT3005	Evidence Based Dental Hygiene Practice
DENT3006	Dental Hygiene Clinical - Advanced
DENT3008	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 area 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- BIOL1001 Anatomy and Physiology - Introductory Concepts and P- BIOL1002 Anatomy and Physiology: Advanced Concepts and C- DENT2018 Dental Hygiene Clinical - Intermediate

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

In today's economic reality, many health care professionals will find themselves either self-employed, or employed on a part-time basis or on a contract by a small business. 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 or P- DENT1045 Introduction to the Dental Hygiene Profession or C- OPTI1013 Basic Eyeglass Dispensing Theory or P- ALTM1000 Foundations of Traditional Chinese Medicine)

**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 of Care 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 and P- DENT1014 Dental and Orofacial Anatomy and P- DENT1044 Pre-Clinical Dental Hygiene and C- DENT1018 Applied Oral Health Promotion 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- BUSI3007 Business Principles for the Regulated Professional and C- DENT2001 Professional Practice and Jurisprudence

**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 and P- DENT1044 Pre-Clinical Dental Hygiene and C- DENT1016 Dental Hygiene Process of Care

#### 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 and C- DENT1016 Dental Hygiene Process of Care

#### 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 of Care and P- BIOL1001 Anatomy and Physiology - Introductory Concepts and P- BIOL1002 Anatomy and Physiology: Advanced Concepts and C- DENT2019 Introduction to Clinical Dental Hygiene

#### 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 of Care and P- DENT1019 Oral Histology and Embryology and C- DENT2019 Introduction to Clinical Dental Hygiene

#### 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

#### 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

DENT1047 Introduction to the Dental Hygiene Profession 28.0 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.

DENT2000 Oral Pathology 42.0 Hours

Principles of general pathology in relation to the diseases of the teeth, soft tissues, and supporting structures of the oral cavity are discussed including inflammation, regeneration and repair, immune system disorders, heredity and neoplasia. The emphasis in oral pathology is on the etiology, clinical characteristics, and treatment of oral diseases and lesions. The role of the dental hygienist in identification, treatment, and referral will be considered.

P- DENT1013 General and Oral Microbiology and P- DENT1019 Oral Histology and Embryology and P- DENT1022 Periodontics for the Dental Hygienist and (P- DENT2019 Introduction to Clinical Dental Hygiene or P- DENT2017 Introduction to Dental Hygiene Clinical Practice) and C- DENT2018 Dental Hygiene Clinical - Intermediate

DENT2001 Professional Practice and Jurisprudence 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. Various career options and employment relationships will be discussed. Students will develop a professional portfolio that fulfills the regulatory requirements of the CDHO.

(P- DENT1045 Introduction to the Dental Hygiene Profession or P- DENT1047 Introduction to the Dental Hygiene Profession) and P- HLTH1003 Preparation for Clinical Practice and C- DENT3008 Dental Hygiene Clinical Consolidation

DENT2005 Role of the Dental Hygienist in Orthodontics 42.0 Hours

This course focuses on the role of the dental hygienist in the recognition of malocclusion, client preparation for orthodontic therapy and the maintenance of the client's oral and periodontal health during and after orthodontic treatment. Fixed and removable orthodontic appliances will be reviewed and periodontal aspects of adult orthodontics. Regulatory responsibilities and the orthodontic practice environment will also be studied. Students will gain practical lab experience with associated clinical skills such as placement and removal of brackets, bands, and placement of arch wires.

P- DENT2018 Dental Hygiene Clinical - Intermediate

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

This area relates to 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 area is an introduction to strategies for the promotion of health under marketing, health education, collaboration, mass media use, and community organization. The dental hygiene process of care model as it relates to community oral health will also be examined. A study of epidemiological data assessment, social determinants of health, 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 or C- DENT2006 Introduction to 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- DENT1018 Applied Oral Health Promotion and P- DENT1046 Dental Radiography for the Dental Hygienist and C- DENT1022 Periodontics for the Dental Hygienist

#### 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- DENT1021 Medical and Pharmacological Considerations for Dental Hygiene Care and P- DENT1022 Periodontics for the Dental Hygienist and P- DENT2008 Applied Clinical Theory and (P- DENT2019 Introduction to Clinical Dental Hygiene or P- DENT2017 Introduction to Dental Hygiene Clinical Practice) and C- BIOL2008 Human Pathophysiology and C- DENT2000 Oral Pathology

DENT2019 Introduction to Clinical Dental Hygiene 112.0 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.

P- DENT1016 Dental Hygiene Process of Care 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

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.

P- STAT2005 Introduction to Statistics and Research Methods

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).

P- BIOL2008 Human Pathophysiology and P- DENT2000 Oral Pathology and P- DENT2007 Health Promotion and Community Dental Health and P- DENT2018 Dental Hygiene Clinical - Intermediate and P- HLTH2003 Diverse Populations and Health Beliefs

DENT3008 Dental Hygiene Clinical Consolidation 112.0 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 women 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.

P- DENT3006 Dental Hygiene Clinical - Advanced and P- HLTH1003 Preparation for Clinical Practice

#### 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.

P- HLTH1000 Health Care in Canada

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

This area relates to the principles and methods used in health research both quantitative and qualitative. An overview of research methodology, rigor, 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. The selection and use of summary values such as measures of central tendency and measures of variation are examined as well as some inferential statistical techniques.

#### **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.*