

DENTURISM

Program Outline

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| Major: | DNTM |
| Length: | 3 Years |
| Delivery: | 6 Semesters |
| Credential: | Ontario College Advanced Diploma |
| Effective: | 2017-2018 |
| Location: | Barrie |
| Start: | Winter (Barrie) |

Description

The Denturism program will prepare the graduate for a career as a Denturist. Students will develop knowledge, skills and attitudes consistent with their scope of practice in particular assisting clients in attaining and maintaining oral health through the provision of complete, partial and immediate dentures, and dentures over implants. Students are trained specifically in clinical and laboratory aspects related to their field. Students will use a problem-solving framework; basing all decisions, judgments and interventions on current research and theory. The program will prepare the graduate for the legal and ethical responsibilities of a Denturist and with a basic understanding of business practices related to self-employment.

Career Opportunities

Denturists work independently, interdependently and collaboratively with health professionals and clients. Denturists are able to establish their own clinical practice or associate with other denturists or health care providers.

Program Learning Outcomes

The graduate has reliably demonstrated the ability to:

- integrate pertinent theoretical knowledge of anatomy, physiology, morphology and pathology into the provision of denturist practice;

- integrate principles of physics, chemistry, general science and properties of materials associated with the fabrication of dental prosthetic devices and appliances;
- operate and maintain dental laboratory equipment in accordance with standard safety and maintenance procedures, WHMIS and infection control protocol;
- design, fabricate, modify and repair removable prosthetic devices and appliances according to prescription or comprehensive patient assessment (in collaboration with other members of the dental profession);
- work in a manner that is consistent with current regulations, professional standards, codes of conduct and ethical principles;
- produce clear and accurate written and oral communications for the public and other professionals regarding denturist issues and services;
- work collaboratively with patients and other health care providers to facilitate optimal oral health;
- make decisions regarding denturist services that reflect critical thinking, time management problem solving and self-reflection;
- manage client and practice information according to relevant legislation, codes of ethics, practice standards, and business;
- evaluate well managed business practices within health care settings and the community;
- identify the implications of denturism on the natural environment and to employ environmentally sustainable practices to reduce the impact on the environment.

External Recognition:

The graduate of this program must successfully complete the clinical examination set by the College of Denturists of Ontario to be eligible for registration and practice in the province of Ontario. Registration with the College of Denturists of Ontario is a legal requirement to practice and is subject to the regulations and restrictions established by this governing body.

The Program Progression:

Winter Intake - Barrie

| Sem 1 | Sem 2 | Sem 3 | Sem 4 | Sem 5 | Sem 6 |
|----------------|----------------|--------------|----------------|--------------|----------------|
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| Winter 2018 | Summer 2018 | Fall 2018 | Summer 2019 | Fall 2019 | Winter 2020 |

Admission Requirements:

OSSD or equivalent with:

- Grade 12 English (C or U)
- Grade 12 Math (C or U)
- Grade 12 Chemistry (C or U) or Grade 11 (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/

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/

Selection Process:

Applicants will be assessed based on previous academic achievements in the prerequisite courses and an average of other courses within their final year of study prior to applying to the program.

Additional Information:

Certain clinical placements may 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.

In addition to these requirements, applicants must also provide proof of a current First Aid and C.P.R. "HCP" certification, prior to the commencement of preclinical courses.

Registration with the College of Denturists of Ontario (CDO) is mandatory to practice as a denturist 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 CDO before applying to the denturism program at Georgian College.

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.

Graduation Requirements:

- 25 Mandatory Courses
- 4 Clinical Practice
- 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
- BIOL1013 Head and Neck Anatomy
- BIOL2007 Pathology and Pharmacology - Introduction
- BIOL3000 Pathophysiology and Pharmacology - Advanced
- COMP1064 Computer Skills and Applications
- DENT1013 General and Oral Microbiology
- DENT1019 Oral Histology and Embryology
- DENT1037 Dental Materials
- DENT1038 Complete Dentures Lab - Introduction
- DENT1039 Dental Anatomy
- DENT1040 Removable Partial Denture Lab
- DENT2000 Oral Pathology
- DENT2009 Radiographic Interpretation
- DENT2010 Complete Dentures Intermediate
- DENT2011 Introduction to Clinical Prosthodontics
- DENT2012 Partial Denture Design
- DENT2013 Preventive Dentistry
- DENT2015 Prosthodontic Theory
- DENT2016 Periodontology
- DENT3001 Nutrition

DENT3002 Community Dentistry
ETHC3001 Ethics and Professionalism
GERT1000 Gerontology
MGMT3007 Denturism Practice Management

Clinical Practice

DENT2014 Clinical Practice
DENT3000 Clinical Practice - Intermediate
DENT3003 Clinical Practice - Implants
DENT3004 Clinical Practice - Advanced

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

BIOL1013 Head and Neck Anatomy 42.0 Hours

Students discuss oral anatomic landmarks and establish an understanding of the relationship between structure and function. Content presented in this course is

intended to provide students with foundational anatomical knowledge that will be critical to success in future courses.

BIOL2007 Pathology and Pharmacology - Introduction 42.0 Hours

Students are introduced to the use of pharmaceuticals while examining common concepts to alterations of normal body functions and pathophysiological processes underlying these conditions. Students acquire principles of pharmacology where drug groups may complicate a client's treatment. Pain management and management of various medical conditions are examined. Students cultivate an appreciation for the importance of obtaining a complete and accurate health history for effective client rapport, assessment and treatment.

P- BIOL1002 Anatomy and Physiology: Advanced Concepts

BIOL3000 Pathophysiology and Pharmacology - Advanced 42.0 Hours

Students examine pharmaceuticals in the treatment of oral health conditions. Students study pre-disposing etiological factors, therapeutic interventions, modes of administration, aging, prognosis and treatment, and the impact of client medication on oral structures. Emphasis is placed on the importance of a health and drug history in recognizing the oral manifestations of systemic disease and pharmacological agents, planning and modifying care.

P- BIOL2007 Pathology and Pharmacology - Introduction

COMP1064 Computer Skills and Applications 42.0 Hours

Students are introduced to specific software used in the practice of denturism including software used for appliance design and fabrication. Students learn computer applications intended to support their academic success and progression into professional practice.

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.

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- DENT1039 Dental Anatomy

DENT1037 Dental Materials 84.0 Hours

Students are introduced to materials used in the fabrication of various dental appliances. Students learn about the chemical principles and properties of the materials and develop mixing and processing skills through practical application. Attention will be directed to the safe use and disposal of materials based on professional standards, WHMIS and other health and safety protocols.

DENT1038 Complete Dentures Lab - Introduction 84.0 Hours

Students are introduced to basic procedures needed to restore appearance and function of the edentulous client through the provision of complete dentures. Students learn the fundamental theoretical and fundamental technical skills of complete denture fabrication to the wax try in stage.

DENT1039 Dental Anatomy 42.0 Hours

Detailed anatomy of the teeth and the relationships between the structures in and around the mouth, with particular emphasis on occlusion, is presented. Content presented in this course provides students with foundational knowledge necessary for success in subsequent clinical courses.

DENT1040 Removable Partial Denture Lab 84.0 Hours

Students learn basic procedures to restore the appearance and function of the partially edentulous client with interim removable partial dentures. Students are taught to survey cast surfaces, form clasp arms and arrange artificial teeth. Students demonstrate the different requirements for each classification of partials and the fundamentals to develop a removable prosthetic for each type. Students practice these techniques through completion of casework.

P- DENT1039 Dental Anatomy and P- DENT2010 Complete Dentures Intermediate and C- DENT2012 Partial Denture Design

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

DENT2009 Radiographic Interpretation 56.0 Hours

Students acquire skills to discuss, with dental personnel, radiographic imaging associated with treatment plans for full and removable partial dentures. The basic principles and application of dental radiography are discussed. Students recognize and identify normal anatomical landmarks seen on intra-oral and extra-oral radiographs, as well as abnormal or pathological conditions that require referral. Practical experience is gained through the interpretation a client's radiographs.

P- BIOL1013 Head and Neck Anatomy and P- DENT1039 Dental Anatomy

DENT2010 Complete Dentures Intermediate 84.0 Hours

Students apply previously learned skills to laboratory procedures associated with complete denture fabrication. Arranging tooth forms to achieve balanced occlusion is practiced as well as basic denture repairs, processing and finishing acrylic dentures and fabrication of registration devices.

P- DENT1037 Dental Materials and P- DENT1038 Complete Dentures Lab - Introduction

DENT2011 Introduction to Clinical Prosthodontics 126.0 Hours

Students learn the etiology and progression of dental diseases of the hard and soft tissues. Clinical assessment procedures are introduced and the role of the denturist in oral health care is discussed. Through experiences in a clinical setting, students are introduced to patient care and must apply principles of professionalism, communication and patient safety. The process for fabrication of appliances is followed through for clients from oral assessment through preliminary impressions, border moulding, final impressions, try-in of denture, and completion of patient care.

P- DENT2010 Complete Dentures Intermediate and C- DENT1040 Removable Partial Denture Lab and C- DENT2009 Radiographic Interpretation and C- DENT2012 Partial Denture Design

DENT2012 Partial Denture Design 42.0 Hours

Students are introduced to the design process of partial dentures and gain an appreciation of all four types of partial denture classifications and design concepts. Elements of chemistry, physics and engineering are considered in the construction of partial dentures as they relate to conditions of the oral cavity. Students review and perform partial denture designs and cases modeled from clinical situations.

P- DENT1039 Dental Anatomy and P- DENT2010 Complete Dentures Intermediate

DENT2013 Preventive Dentistry 42.0 Hours

Students are introduced to theory related to the 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 mouth rinses, diet and client motivation. Students examine the use of topical fluoride as an anti-caries agent and the adoption of oral safety measures. Using this knowledge, students create oral health promotion instructional materials.

DENT2014 Clinical Practice 126.0 Hours

This course consolidates the students' understanding of the laboratory and clinical procedures required for the fabrication of dentures, relines and repairs. Students gain firsthand knowledge regarding client communication, evaluation techniques, and treatment plans. Professionalism, time/client management, health and safety and infection control will be emphasized.

Students also assess and determine oral hygiene needs of clients, as it relates to their health histories and provide a home care plan for clients.

P- DENT1040 Removable Partial Denture Lab and P- DENT2011 Introduction to Clinical Prosthodontics and P- DENT2012 Partial Denture Design

DENT2015 Prosthodontic Theory 42.0 Hours

Students learn theoretical concepts required to provide removable prosthodontic services on patients missing some or all of their natural teeth. Students solidify their knowledge on procedures and theoretical concepts to support treatment plan options. Students develop sequential clinical procedures of fixed and removable prosthetics, dental implants, and the use of composite resins and veneers.

P- DENT2012 Partial Denture Design

DENT2016 Periodontology 42.0 Hours

In this course, students study the disease processes and predisposing factors that affect periodontal tissues and the various approaches to disease control. Periodontal disease is discussed on the basis of ten key factors: definition, clinical characteristics, radiographic changes, histopathology and pathogenesis, etiology, nutritional implications, treatment, patient education and preventive measures. Emphasis is placed on disease processes affecting the periodontal tissues and the importance of a sound periodontium to the success of oral prosthetics.

P- DENT1013 General and Oral Microbiology and P- DENT1019 Oral Histology and Embryology

DENT3000 Clinical Practice - Intermediate 168.0 Hours

Students consolidate clinical and laboratory procedures learned in the fabrication and delivery of complete upper and lower dentures, partial dentures, and repairs and relines for community clients. Students also create home care plans by assessing and determining the oral hygiene needs of clients as they relate to clients' health histories. Working independently within a designated time frame, students practice professionalism, time/client management, health and safety, and infection control.

P- DENT2014 Clinical Practice

DENT3001 Nutrition 42.0 Hours

Students are introduced to basic nutrition for maintaining health. Basic principles of metabolism of carbohydrates, lipids, proteins, vitamins and minerals are explored. Lifecycle nutrition with nutritional considerations for the geriatric and edentulous client are examined. Students explore cultural and social eating patterns while applying preventative dentistry to educated clients on healthy eating habits.

DENT3002 Community Dentistry 42.0 Hours

In this course, students are provided an overview of the health care system, health care professions and an understanding of health care collaboration and teamwork. The study of ethical decision-making, principles of teaching and learning, current trends and issues, and key factors for program evaluation set the foundation for community practise. Students are introduced to strategies for the promotion of health under marketing, health education, collaboration, mass media use, and community organization.

DENT3003 Clinical Practice - Implants 84.0 Hours

Students will learn the principles of dental implants in relation to treatment planning for single tooth or complete edentulous cases. Students will be introduced to implant history and concepts and review different types of attachments and connectors to fixed and removable prosthetics. Students will be able to understand diagnostic techniques used to determine implant suitability and placement. By the end of the course the students will be able to insert implant attachments into a removable denture case.

DENT3004 Clinical Practice - Advanced 168.0 Hours

Students will be able to demonstrate skills learned in the treatment planning, fabrication and delivery of complete and partial dentures for community clients. Students will also assess and determine oral hygiene needs of clients as it relates to their health histories and provide a home care plan for clients.

ETHC3001 Ethics and Professionalism 42.0 Hours

Students explore the profession of a Denturist including regulations, ethical decision-making and conflict resolution. The role of the College of Denturists of Ontario (CDO) is reviewed in detail with emphasis placed on the Standards of Practice and the Quality Assurance program. Various career options and employment relationships are discussed. Students develop a professional portfolio that fulfills the regulatory requirements of the CDO.

GERT1000 Gerontology 42.0 Hours

Students are introduced to the aging process. Healthy aging as well as common chronic diseases experienced by the elderly are considered including their implications to oral health. Specific attention is given to communication strategies and interpersonal relationships with the older individual, family and caregivers.

MGMT3007 Denturism Practice Management 42.0 Hours

This course will help students develop the business skills required to associate in or operate a successful Denturist practice. Students will discuss small business management principles as well as investigate elements of a business plan. 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. Students will also recognize the legal and ethical factors that involved in managing a practice with emphasis on current regulations and professional standards.

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.