

School of Dental Hygiene

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SECTION 1: Degree Programs Offered

1.1. Programs

Program/Degree	Years to Complete	Total Credit Hours
Diploma in Dental Hygiene	Minimum time to graduation: Three years (University 1, or satisfaction of prerequisites, plus two years).	101*
Bachelor of Science in Dental Hygiene, Degree Completion Program	Minimum time to graduation: Dependent upon prior education (i.e. completion of a pre-professional year [Univ 1] prior to entry into the Diploma in Dental Hygiene program). Upon admission to the B.Sc.D.H. program part-time students would be expected to complete the program within two to three (2-3) years.	120**

*This total includes credit hours obtained in the pre-professional year undertaken prior to Admission to the Diploma program.

** See section 4.2 for details on how this credit hour requirement is satisfied.

1.2 The Profession of Dental Hygiene

Dental hygiene is a self regulated health service profession concerned primarily with the prevention of oral disease and the promotion of optimum oral health. As a licensed professional, the dental hygienist's scope of practice is regulated by provincial legislation. The dental hygiene process of care consists of five components: assessment, dental hygiene diagnosis, planning, implementation, and evaluation. Current practice settings include: Private dental practice, community health centres, institutions (e.g., hospitals, long-term care facilities), primary health care centres, home care and other outreach programs, educational institutions (e.g., universities, community colleges), the military, research, and industry. Dental hygienists acquire competence through instruction in basic sciences, oral health sciences, the humanities and clinical practice. Through more than 600 hours of a competency-based clinical curriculum, students are prepared to meet the needs of a broad range of population groups.

The School of Dental Hygiene Mission Statement: In a dynamic environment of excellence and progressive learning, the University of Manitoba, School of Dental Hygiene prepares future dental hygienists to enhance the health and well being of the public through oral health promotion, disease prevention and therapeutic means; and are active members of the global health care community.

Practice Requirements

After successful completion of the National Dental Hygiene Certification Board Examination, in Manitoba, graduates must apply to the College of Dental Hygienists of Manitoba for a licence to practice as a dental hygienist. Dental hygienists must fulfil the requirements of the respective provincial regulatory authorities licensing bodies. The minimum educational credential for licensure in the province of Manitoba is the Diploma in Dental Hygiene. Licensed dental hygienists may continue their education by completing a Bachelor of Science Degree in Dental Hygiene.

SECTION 2: Admission Requirements

2.1 Diploma in Dental Hygiene

The following is a summary of the admission requirements. Equivalent academic courses completed at recognized universities elsewhere will be considered. All admission requirements, as well as application deadline dates and forms, are included in an applicant information bulletin that is available from the Admissions Office, Enrolment Services, 424 University Centre; this information is also posted on the university's website.

ENGL 1310

CHEM 1300 and CHEM 1310 or CHEM 1320

PSYC 1200

BIOL 1410 and BIOL 1412

STAT 1000

6 credit hours of electives (Sociology is strongly recommended) for a total of 30 credit hours.

Other Requirements

High school prerequisites: REQUIRED: Mathematics 40S (pre-calculus or applied), Chemistry 40S; and Biology 40S, or eligibility as a mature student to the University of Manitoba.

Interview: An interview may be part of the admission process.

Minimum GPA for consideration: 3.00 with no grade less than C, with the exception of English which requires the minimum grade of B. Admission is competitive.

Selection criteria: 100 per cent based on academic standing for the Regular Applicant Category. Interview and Letters of Reference are considered within the Special Applicant Category. Preference will be given to Manitobans in the Special Applicant Category and on the alternate list.

It is recommended that all applicants attend an orientation session. Orientation for dental hygiene takes place at the School of Dental Hygiene, Banatyne Campus.

2.2 Bachelor of Science in Dental Hygiene, Degree Completion Program

The program will be available to dental hygiene diploma graduates of the University of Manitoba or other accredited dental hygiene educational institutions wishing to complete requirements for the baccalaureate degree on a full-time or part-time basis. Transfer of credit for courses completed at other institutions will be possible through appropriate University procedures. The School will evaluate credits from other institutions on an individual basis. It is advised that the majority of pre-requisite/elective courses are completed prior to admission to the program as the Program Fee for the Bachelor of Science in Dental Hygiene (B.Sc.D.H.) program does not include registration in courses administered outside of the School of Dental Hygiene (non-core HYG courses). In the selection process, preference will be given to students who have completed the majority of their pre-requisite courses prior to application.

Admission to the degree completion program requires of students that:

- They must possess a Diploma in Dental Hygiene from either a university or community college program accredited by either the Commission on Dental Accreditation of Canada or the American Dental Association's Commission on Dental Accreditation.
- They must possess the National Dental Hygiene Certification Board (NDHCB) Certificate
- They must hold current licensure to practice dental hygiene in Canada and be eligible for licensure in Manitoba.
- They must be interested in the pursuit of a career in education, research or community health; this component will require the submission of a 1-2 page paper detailing the applicants career goals in relation to the B.Sc.D.H. degree program.
- In the event of a surplus of qualified applicants, GPA's, interviews, letters of reference and/or other selection strategies to be determined by a Bachelor of Science in Dental Hygiene Committee on Selection, will be employed to select the class. (Candidates will be given notice of any additional requirements to the selection process if such a surplus occurs.)

All Diploma/Associate Degree Dental Hygiene graduates will be granted the equivalent of 75 credit hours for their Diploma in Dental Hygiene if their Diploma/Degree has been granted by an accredited Dental Hygiene program in Canada or the United States.

The required minimum grade for specified prerequisite courses including electives is a C. There is a **required minimum overall grade point average of 3.0 (B) in the candidates Diploma in Dental Hygiene or Associated Degree Program.**

SECTION 3: Faculty Academic Requirements

All students are asked to note that some academic policies and regulations are under review and are subject to change. Please check the Web Calendar at umanitoba.ca for updated information.

The provisions of the chapter, General Academic Regulations and Requirements, and the chapter, University Policies, apply to all students. In addition, the School of Dental Hygiene has regulations and requirements, published below, that apply specifically to its students.

3.1 Diploma in Dental Hygiene

3.1.a Immunization and Bloodborne Diseases Policy

Note: This policy is under review. Please consult the School of Dental Hygiene for further information.

All Diploma students enrolled in dental hygiene must be immunized against the following diseases: diphtheria/tetanus, polio, rubella, measles, mumps, chicken pox and hepatitis B. Students must be tested for tuberculosis if a suspected exposure occurs. Students who cannot be immunized because of allergies or other reasons must provide a physician's certificate to verify these reasons.

Before the first day of classes all students must complete the University of Manitoba Immunization Record Form, provided by the dental hygiene of-

fice. Immunization records must be signed by a physician or nurse verifying that all immunizations are up-to-date.

All students are responsible for updating their immunizations as needed.

Students will not be permitted to attend clinics until all immunization requirements are up-to-date.

3.1.b Criminal Record/Child Abuse Registry

An adult criminal record and child abuse registry self-declaration will be required of all applicants at the time of application. A formal Adult Criminal Record Check (including vulnerable sector screening) and a formal Child Abuse Registry Check is required at the time of registration, and annually thereafter keeping in accordance with existing policies of other health, education and social service programs at the University of Manitoba.

3.1.c CPR Certification

Accepted candidates will be required to show proof of CPR certification by October 15 of each year. The CPR Certification level required by the School of Dental Hygiene is: [Basic Life Support \(BLS\) for Healthcare Providers](#). This certification must be maintained on a yearly basis up to the date of graduation.

3.1.d Instruments, Computer, Textbooks and Uniforms

Diploma students must purchase a dental hygiene student kit consisting of two sets of clinical instruments and uniforms. The total cost of the kit is approximately \$6,000. Students are also required to purchase one lab coat. Some laboratory equipment is loaned by the school. In addition, students entering the School of Dental Hygiene will be expected to purchase a specified laptop computer as well as *EVOLVE* software. This expenditure is approximately \$3500 for the full two year program. These costs replace most textbook expenditures.

Student Kits are the property of Dental Hygiene students. The school is unable to accept returns of any student computer, software, kit or kit items should a student leave the school for whatever reason.

3.1.e Examinations and Promotions

Regular attendance in all courses as well as a satisfactory record completed during the term will be required to qualify a student to sit for the annual or other grading examination.

To obtain standing in any year, a student must attain a minimum Term Grade Point Average (GPA) of 2.0 in all courses of that year. If a student is registered for less than 100% of the courses listed for the year, a minimum Term GPA of a 2.0 must also be obtained.

A student who has obtained a grade of "F" in more than two subjects or who fails to obtain a Term GPA of 2.0 will be regarded as having failed the year and will be required to repeat the work of that year in a succeeding annual session. The student must re-apply for admission to the school if the failed year is the first year.

No student will be allowed to register for the full work of any one year who has a condition remaining from a previous year.

Students are prohibited from interviewing individual members of the school with reference to examination standing at any time prior to the posting of official grade lists.

For details on final examinations, see the Chapter General Academic Regulations and Requirements of this Calendar.

For appeals process, see the Chapter General Academic Regulations and Requirements.

For a description of the grading system, see the Chapter General Academic Regulations and Requirements.

3.1.f Supplemental Examinations

A student who has failed in not more than two subjects at the regular final examinations of any year, or who fails to obtain a Term GPA of 2.0 in courses of the year, may upon application and at the discretion of the Dental Faculty Council be awarded the privilege of one or two supplemental examination(s).

The Faculty Council will specify in which subjects the student may write supplemental examinations. The passing grade in supplemental examinations is "C" in each subject.

A student must maintain a minimum Term GPA of 2.0 each year in order to be eligible for supplemental privileges.

A student who, having exercised supplemental privileges, has not more than one condition remaining, may in the ensuing annual session, be allowed to take only that one course in the Dental Hygiene program. If the condition is removed in that session, the student will be regarded as having completed the year to which the condition applied.

Supplemental examinations are held prior to the opening of the session in the autumn, and application must be made to the Registrars Office no later than those deadline dates listed in this Calendar.

3.1.g Challenge for Credit

There are a number of courses which may be challenged for credit. Information on the specific courses involved may be obtained from the director of the School of Dental Hygiene. Requests for course challenge must be received prior to the commencement of the term in which the course will be offered.

3.1.h Honours and Awards

Dean's Honours: awarded to students in each year of the dental hygiene Diploma program who have achieved a minimum sessional (fall & winter term combined) G.P.A. of 3.8. In addition, only students registered for 80 per cent or more of the normal course load during a regular session are eligible for Honours Standing.

A student who fails in one or more subjects, or who fails the year at the regular final examination, is not eligible to obtain Honours Standing or to receive any awards for the work of that year.

A student repeating a year's work is not eligible to obtain Honours Standing or to receive any awards for the work of that year.

The following policy applies to the eligibility of part-time students for academic awards:

A student who is carrying less than 80 per cent of the normal course load for the year is only eligible for an award in the individual subjects taken by him/her.

A student who is repeating a course may not be eligible for an award in that subject.

3.1.i Voluntary Withdrawal

Students intending to withdraw from a portion or all of their courses must report immediately in person or in writing to the Director's Office. Please note: **Computer Software, Computers and Kit fees are non-refundable.** See also the chapter, on General Academic Regulations and Requirements.

Students who withdraw from the School of Dental Hygiene without notice will be considered to have terminated their connection with the school. If a subsequent application for registration is approved, they will be required to conform to the rules and regulations, fee schedules, sequence of courses, etc., in effect at the time of such subsequent application.

In cases where a student is obliged to withdraw after the final date of withdrawal published in the *Calendar* because of ill health or other sufficient reasons, their cases will be considered by the Director of the School.

3.1.j E-Mail Accounts

All students are expected to have an e-mail account with the University of Manitoba and check it regularly. The School of Dental Hygiene does not support communications with its students through external e-mail addresses.

3.1.k Registration exceptions

Diploma students who have a failing grade/s registered against them and/or have other outstanding academic matters (i.e. deferred or supplemental examinations, modified program, etc.) in regards to the previous academic session will not be allowed to register using Aurora Student. Students who fall into this category should contact the student advisor for further information. A student advisor is available in D028 Dental Building or by calling (204) 789-3484.

3.2 Bachelor of Science in Dental Hygiene, Degree Completion Program

3.2.a Academic Progress

A minimum Degree Grade Point Average of 2.0 must be maintained in the Bachelor of Science in Dental Hygiene for clear standing. A grade of C is

considered a passing grade for all courses applied towards degree requirements. Students who do not maintain a minimum GPA of 2.0 may be required to withdraw from the program.

3.2.b Licensure

Students in the Bachelor of Science in Dental Hygiene program must maintain professional licensure during their registration at the School of Dental Hygiene. Students should also note that licensure with the College of Dental Hygienists' of Manitoba may be required for registration within certain core courses (example: teaching practicum) of the program. Students are responsible for all fees associated with the maintenance of current licensure as well as application for licensure within Manitoba as may be required.

3.2.c Criminal Record/Child Abuse Registry

An adult criminal record and child abuse registry self-declaration will be required of all applicants at the time of application. A formal Adult Criminal Record Check (including vulnerable sector screening) and a formal Child Abuse Registry Check is required at the time of registration, and annually thereafter keeping in accordance with existing policies of current health, education and social service programs at the University of Manitoba.

3.2.d Writing Skills

Once in the program, students who do not exhibit ability to communicate in writing may be required to seek remediation in writing skills.

3.2.e Transfer of Credit

The School may consider University credits earned **outside** of dental hygiene diploma programs or earned as part of an **incomplete** degree for transfer credit. If a student earned credit for a required course in the baccalaureate program as part of a diploma in dental hygiene or as part of another degree, an alternative course must be submitted for consideration.

3.2.f Residence Requirements

Baccalaureate Degree-Completion Program students are required to complete at least 30 credit hours of University of Manitoba courses of the total 120 credits for the degree, with the minimum grade of "C" in each course.

3.2.g Clinic Attire

Students in the B.Sc.Dental Hygiene program must maintain appropriate clinic attire when participating in clinical activities. Students will be required to purchase clinic uniforms as specified at the time of registration.

3.2.h Program Length/Registration

Students in the Bachelor of Science in Dental Hygiene, Degree Completion Program should note that after initial registration, the length of time to complete the B.Sc.D.H. program is variable dependent upon whether courses are taken full-time or part-time. Part-time students would be expected to complete the program within two to three (2-3) years. Students should be aware that the B.Sc.D.H. program tuition fee does not include tuition fees assessed against registration in courses administered outside of the Dental Hygiene Program (non HYG N courses). Further information on fees may be obtained from the University of Manitoba's web-site: umanitoba.ca

3.2.i Voluntary Withdrawal

Students intending to withdraw from a portion or all of their courses must report immediately in person or in writing to the Director's Office. Please note that all program tuition fees for the Bachelor of Science in Dental Hygiene program are non-refundable. See the chapter, on General Academic Regulations and Requirements for further information on voluntary withdrawal.

Students who withdraw from the School of Dental Hygiene without notice will be considered to have terminated their connection with the school. If a subsequent application for registration is approved, they will be required to conform to the rules and regulations, fee schedules, sequence of courses, etc., in effect at the time of such subsequent application.

In cases where a student is obliged to withdraw after the final date of withdrawal published in the *Calendar* because of ill health or other sufficient reasons, their cases will be considered by the Director of the School.

3.2.j E-Mail Accounts

All students are expected to have an e-mail account with the University of Manitoba and check it regularly. The School of Dental Hygiene does not support communications with its students through external e-mail addresses.

3.2.k Registration exceptions

Bachelor of Science Students who will be taking courses outside of the School of Dental Hygiene will be required to follow registration regulations/restrictions governed by the faculty in which those courses reside. Normal course repeat rules and restrictions will apply. Students in the B.Sc. program will also be responsible to ensure that they have verified their initial access time for registration; consulted with an advisor and/or obtained required program approval for outside courses as necessary; checked for timetable updates for all external courses; registered and assessed their fees after registration in all courses. A student advisor is available in D028 Dental Building or by calling (204) 789-3484.

SECTION 4: Program and Graduation Requirements

4.1 Diploma in Dental Hygiene

First Year

Course No.	Credit Hours	
HYGN 1232	Oral and Dental Anatomy	3
HYGN 1234	Preclinical Dental Hygiene	2
HYGN 1236	Dental Hygiene Theory and Practice I	4
HYGN 1238	Dental Hygiene Clinical Practice I	3
HYGN 1242	Dental Hygiene Theory and Practice II	4
HYGN 1262	Dental Radiology	3
HYGN 1270	Biology of the Head and Neck	3
HYGN 1280	Microbiology and Infectious Diseases	3
HYGN 1292	Dental Hygiene Preclinical Restorative Techniques	2
HYGN 1320	Dental Materials	2
HYGN 1340	Communications	2
HYGN 1352	Community Health I	3
HYGN 1360	Periodontology I	2
	Total credit hours	36

Second Year

HYGN 2100	Dental Hygiene Portfolio*	2
HYGN 2280	Pharmacology	2
HYGN 2300	Pathology	3
HYGN 2312	Dental Hygiene Clinical Practice II	4
HYGN 2314	Dental Hygiene Theory and Practice III	4
HYGN 2316	Dental Hygiene Clinical Practice III	4
HYGN 2318	Dental Hygiene Theory and Practice IV	5
HYGN 2340	Periodontology II	2
HYGN 2350	Biology of Oral Tissues	2
HYGN 2362	Community Health II	3
HYGN 2370	Nutrition in Dentistry	2
HYGN 2380	Pain Management	2
	Total credit hours	35

* Registration in HYGN 2100, Dental Hygiene Portfolio will also occur within the first year of the Dental Hygiene program. However, no grade will be assigned and it will not be factored into GPA calculations.

Note for the purposes of admission to the Bachelor of Science in Dental Hygiene Program the total credit hours for the Diploma in Dental Hygiene program is 101. This total includes credit hours obtained in the pre-professional year undertaken prior to Admission to the Diploma program.

4.2 Bachelor of Science in Dental Hygiene, Degree Completion Program

Accredited dental hygiene programs in Canada and the U.S. have been traditionally offered as either stand-alone two year programs with direct entry from high school, or as two-year programs requiring a pre-professional year of studies prior to admission into the professional program. In order to provide access to a broad range of potential degree completion students, two options have been developed.

Option A. This option is for those graduates of accredited dental hygiene programs who have completed a pre-professional year prior to entry into their dental hygiene program.

Dental hygienists from the University of Manitoba who graduated between 1993 and 2007 must complete 21 credit hours

Dental hygienists from the University of Manitoba who graduated after 2007 must complete 19 credit hours

Graduates of other (non-University of Manitoba) dental hygiene programs who completed a pre-professional year prior to entry into their dental hygiene program, may be granted up to 15 credit hours from the pre-professional year and 75 credit hours from the 2-year dental hygiene program towards their degree. These graduates will be required to complete 30 hours of University of Manitoba credits in order to complete the degree and satisfy the residency requirement.

Option B. Dental hygienists who are graduates of accredited two year programs without the pre-professional year, must complete the 21 credit hours as described below plus 24 credit hours of free-choice electives. This requirement applies to graduates from the University of Manitoba (prior to 1993) as well as other accredited two-year dental hygiene programs in North America with no pre-professional year. As in Option A, the residency requirement of 30 credit hours for those non-University of Manitoba graduates will be upheld.

University of Manitoba Graduates

Students with diplomas in dental hygiene from the University of Manitoba will complete 19 credit hours if they graduated after 2007 and 21 credit hours if they graduated between 1993 and 2007. Dental hygienists who graduated from the University before 1993 will complete 24 credit hours of electives in addition to 21 dental hygiene baccalaureate credit hours (total 45).

Year of Graduation (U of M)	Pre-Professional Year	Total Dental Hygiene Program Credit Hours Granted	Option	Credit Hours for BScDH Completion	Total BScDH Credit Hours
After 2007	Yes	1 + 2 years (30 + 71 = 101 Credit Hours)	Option A	1 year (19 Credit Hours)	120 credits hours
Between 1993 and 2007	Yes	1 + 2 Years (30 + 69 = 99 Credit Hours)	Option A	1 year (21 credit hours)	120 credit hours
Before 1993	No	2 Years 75 Credit Hours	Option B	2 years (45 credit hours)	120 credit hours

Graduates of Other Accredited North American Dental Hygiene Programs

* Residency Requirement

Pre-Professional Year	Total Dental Hygiene Program Credit Hours Granted	Option	Credit Hours for BScDH Completion	Total BScDH Credit Hours
Yes	Pre-Prof. Year (accept 15 credit hours) + 2 years DH (75 Credit Hours) = 90 Cr. Hrs.	Option A	1 year *(30 credit hours)	120 credits hours
No	2 Years 75 Credit Hours	Option B	2 years *(45 credit hours)	120 credit hours

Degree Completion Curriculum

Prerequisite courses

Mandatory (6)

STAT 1000 Basic Statistical Analysis (3)
REHB 2450 Research Methods (or equivalent) (3)

Dental Hygiene Core (Minimum 12)

Mandatory Courses (2)

HYGN 2380 Pain Management (2)

Elective Courses

HYGN 4520 Advanced Independent Study (3)
HYGN 4550 Advanced Independent Study II (3)
HYGN 4530 Teaching Practicum (3)

HYGN 4540	Advanced Teaching Practicum (3)
HYGN 4450	Community Health Practicum (2)
HYGN 4480	Professional Practice Management & Leadership (2)

Potential Electives - Not part of the Core Program (up to 21 Cr. Hrs)

HYGN 4500	Advanced Oral Pathology (UBC) (3)
HYGN 4510	Microbiology & Immunology (3)
HYGN 4470	Assessment & Treatment Planning for Advanced Periodontal Disease (3)
NURS 1260	Human Growth & Development (3)

PHIL 1290	Critical Thinking (3)
SOS 2490	Sociology of Health & Illness (3)
SOS 3540	Sociology of Health Care Systems (3)
HNSC 1210	Nutrition for Health & Changing Lifestyles (3)
PHIL 2740	Ethics & Biomedicine (3)
XXX.3XX	Other free choice Electives (3-9)

SECTION 5: Course Descriptions

5.1 Diploma in Dental Hygiene

HYGN 1232 Oral and Dental Anatomy Cr.Hrs.3 This course consists of a self-study CD and laboratory work dealing with the normal development, morphology, structure, and functions of the dentition and related structures. Corequisites: HYGN 1234 and HYGN 1236.

HYGN 1234 Preclinical Dental Hygiene Cr.Hrs.2 This introductory course teaches the necessary dental hygiene skills in laboratory and preclinical settings. Students are introduced to foundational assessment and implementation skills necessary to begin client care at the novice level. Corequisites: HYGN 1232 and HYGN 1236.

HYGN 1236 Dental Hygiene Theory and Practice I Cr.Hrs.4 This introductory course provides the necessary foundational knowledge requisite for preclinical experience and early client care. It includes the theory and principles underlying the practice of dental hygiene based on the four phases of the Dental Hygiene Process of Care and the concept of Professionalism. Corequisites: HYGN 1232 and HYGN 1234.

HYGN 1238 Dental Hygiene Clinical Practice I Cr.Hrs.3 The course focus is on the cognitive, psychomotor and affective knowledge and skills requisite to the dental hygiene process of care. It includes the principles underlying the practice of dental hygiene and facilitates the development of a self-directed and self-aware professional. *Prerequisites:* HYGN 1234 and HYGN 1236. Corequisite: HYGN 1242.

HYGN 1242 Dental Hygiene Theory and Practice II Cr.Hrs.4 A continuation of foundational knowledge requisite for clinical care on less complicated clients that includes the theory and principles underlying the practice of dental hygiene based on the Dental Hygiene Process of Care. *Prerequisites:* HYGN 1234 and HYGN 1236. Corequisite: HYGN 1238.

HYGN 1262 Dental Radiology Cr.Hrs.3 An introduction to the production of x-rays, radiation biology, radiation protection, imaging materials, imaging techniques, recognition of radiographic landmarks and structures, and quality control of radiographs. Corequisites: HYGN 1234 and HYGN 1238.

HYGN 1270 Biology of the Head and Neck Cr.Hrs.3 Anatomy, physiology, histology and embryology of the head and neck.

HYGN 1280 Microbiology and Infectious Diseases Cr.Hrs.3 A study of different types of microorganisms. Infectious diseases will be discussed in terms of reservoirs, transmission, pathogenesis, treatment and prevention. Emphasis will be given to common communicable diseases, the oral microflora and its role in disease and health.

HYGN 1292 Dental Hygiene Preclinical Restorative Techniques Cr.Hrs.2 A study of the principles and techniques of restorative dentistry. Introduction information on restorative dentistry specialties.

HYGN 1320 Dental Materials Cr.Hrs.2 A study of the properties of materials used in the oral environment for restorative, prosthetic, orthodontic and preventive purposes. Laboratory demonstrations and exercises are designed to demonstrate the correct preparation and handling of dental materials.

HYGN 1340 Communications Cr.Hrs.2 This course provides an introduction to basic principles of communication in relation to everyday and professional interactions. The students are sensitized to the process of communication, its complexities and its related dynamics. Particular attention is given to enabling students to develop effective professional communication skills that have the potential to promote client compliance and harmonious working relationships.

HYGN 1352 Community Health I Cr.Hrs.3 An introductory, participatory course in community oral health promotion intended to inspire a sense of community responsibility in students as health professionals responding to community needs through classroom teaching, interviews and debates.

HYGN 1360 Periodontology I Cr.Hrs.2 A study of the normal tissues of the periodontium, and an introduction to periodontal diseases, their etiology, epidemiology and treatment, especially as these relate to dental hygiene practice. A critical analysis of periodontal cases is included.

HYGN 2100 Dental Hygiene Portfolio Cr.Hrs.2 This two credit hour course houses the evaluation component of the programmatic portfolio of student competencies that all students commence at enrolment and complete prior to graduation.

HYGN 2280 Pharmacology Cr.Hrs.2 Drugs used in clinical practice; a general knowledge of drugs by groups with emphasis on agents such as local anesthetics, analgesics, and antibiotics used extensively in the practice of dentistry.

HYGN 2300 Pathology Cr.Hrs.3 A study of the principles of general and oral pathology involving pathologic mechanisms, disorders of physiologic systems, and pathologic conditions and diseases affecting oral and para-oral structures.

HYGN 2312 Dental Hygiene Clinical Practice II Cr.Hrs.4 This competency-based clinical course amalgamates theoretical knowledge and clinical skills in both general clinical and community based clinical settings. Students provide care to clients with moderate oral health needs. *Prerequisites:* HYGN 1238 and HYGN 1242. Corequisite: HYGN 2314.

HYGN 2314 Dental Hygiene Theory and Practice III Cr.Hrs.4 Learning, motivation, and behaviour modification theories are applied to oral health promotion. Dental hygiene care plans are developed using a human needs model and process of care. Ethics, jurisprudence and practice standards are discussed. *Prerequisites:* HYGN 1238 and HYGN 1242. Corequisite: HYGN 2312.

HYGN 2316 Dental Hygiene Clinical Practice III Cr.Hrs.4 This course advances the student's clinical dental hygiene skills to a level of minimal competency. Students provide dental hygiene care to clients with high oral health needs to facilitate their attainment of optimal oral health. *Prerequisites:* HYGN 2312 and HYGN 2314. Corequisite: HYGN 2318.

HYGN 2318 Dental Hygiene Theory and Practice IV Cr.Hrs.5 The oral health needs of persons with disabilities and the development of dental hygiene care plans to address those needs are discussed as well as issues of access to dental hygiene care, employment, quality assurance, and professional growth and development. *Prerequisites:* HYGN 2312 and HYGN 2314. Corequisite: HYGN 2316.

HYGN 2340 Periodontology II Cr.Hrs.2 Continuation of the study of etiology, diagnosis and treatment of periodontal disease.

HYGN 2350 Biology of Oral Tissues Cr.Hrs.2 Consideration of physiology of the oral environment and its microflora in relation to health, dental caries and periodontal diseases.

HYGN 2362 Community Health II Cr.Hrs.3 Student abilities to deliver community oral health education/promotion programs, with attention given to barriers and strategies used to meet the unique needs of target populations less likely to have optimal oral health are further developed. *Prerequisite:* HYGN 1352.

HYGN 2370 Nutrition in Dentistry Cr.Hrs.2 A physiological, psychological, and social insight into the principles of nutrition and their relation to preventive dental practice.

HYGN 2380 Pain Management Cr.Hrs.2 This course is designed to enhance the dental hygiene student's knowledge of the mechanisms of pain control through the administration of topical and local anesthetic agents. Emphasis will be placed on the pharmacology of dental anesthetic agents and their interaction with the client's current conditions and medications.

5.2 Bachelor of Science in Dental Hygiene (B.Sc.DH)

5.2.a Required Courses

STAT 1000 Basic Statistical Analysis I (3) An introduction to the basic principles of statistics and procedures used for data analysis. Topics to be covered include: gathering data, displaying and summarizing data, examining relationships between variables, sampling distributions, estimation and significance tests, inference for means. May substitute with an equivalent course.

REHB 2450 Research Methodology (3) A theory and practical course designed to provide a basic understanding of research principles and their application in Medical Rehabilitation. May substitute with an equivalent course.

HYGN 2380 Pain Management (2) (Prerequisite: Pharmacology HYGN 2280) This course is designed to enhance the dental hygiene student's knowledge of the mechanisms of pain control through the administration of topical and local anesthetic agents. The course emphasizes the pharmacology of dental anesthetic agents and their interaction with the clients' current conditions and medications.

5.2.b Dental Hygiene Core Courses (Minimum 12 Hrs required from this list)

HYGN 4520 Advanced Independent Study (3) This course will enable the degree-completion student to explore issues or areas of interest in dental hygiene with the mentorship of a dental hygiene faculty member. Dependent upon the extent of the project, students may enroll in either three or six hours of study.

HYGN 4550 Advanced Independent Study II (3) This course is a continuation of HYGN 4520 (Advanced Independent Study) and provides the opportunity for the student to pursue a more complex project which cannot be completed within the first course. Students will have selected their project topic in HYGN 4520 and will continue their exploration and write-up of this topic with the guidance of a dental hygiene faculty mentor.

HYGN 4530 Teaching Practicum (3) This course provides students with a seminar course in clinical teaching methodologies and the opportunity to practice teach within an undergraduate dental hygiene program under the supervision and mentorship of dental hygiene faculty members.

HYGN 4540 Advanced Teaching Practicum (3) This course is a continuation of HYGN 4530 (Teaching Practicum) and provides the opportunity to extend the practice teaching experience into a second term, thus strengthening the individual's skills as a dental hygiene educator. This experience will occur under the supervision and mentorship of dental hygiene faculty members.

HYGN 4450 Community Health Practicum (2) This course is a practicum focusing on the *implementation* and *evaluation* of the health promotion program planning process in the field. Students will host an oral health awareness raising event for the public, provide community-based oral health promotion at selected sites, and develop a small-scale oral health promotion program for a teen or adult population.

HYGN 4480 Professional Practice Management & Leadership (2) This course is designed to provide the student with the necessary knowledge and skills to facilitate a smooth transition to the work environment. Workplace dynamics, time management, insurance codes, team building strategies, and leadership will be the focus of this course. Oral healthcare management in a variety of organizations such as private dental practices, community health agencies, research, and industry will be discussed.

5.2.c Potential Elective Courses

HYGN 4500 Advanced Oral Pathology (UBC) (3) A Web-based CD-ROM distance education course designed to present the clinical and pathobiologic aspects of diseases that affect oral and maxillofacial tissues or present with significant oral manifestations of systemic diseases. This course is presented in conjunction with the University of Manitoba and the University of British Columbia.

HYGN 4510 Microbiology and Immunology (UBC) (3) This Web CT course is offered in conjunction with the University of British Columbia. Microbiological and immunological concepts that are the scientific basis for understanding human response in health and disease will be explored. This course builds on knowledge acquired from dental hygiene entry-to-practice level education and dental hygiene practice.

HYGN 4470 Assessment & Treatment Planning for Advanced Periodontal Diseases (UBC) (3) (*Prerequisites: Periodontology I & II, Clinical Dental Hygiene I & II*) This Web CT Course is offered in collaboration with the University of British Columbia (UBC) and is designed to build on knowledge acquired in Periodontics I and II. This course will facilitate integration of expanded theoretical knowledge into the provision of oral health services utilizing an evidence-based, case-based approach.

NURS 1260 Human Growth & Development (3) Study of the normal growth and development across the lifespan, with consideration of current physiological and psychological knowledge.

PHIL 1290 Critical Thinking (3) A course that helps students to think clearly and critically, and to present, defend, and evaluate arguments. The instructor will discuss good and bad reasoning, everyday fallacies, some specific argument forms such as the categorical syllogism, and ways and means of defining words. Students may not hold credit for both 015.129 and 015.132.

SOC 2490 Sociology of Health & Illness (3) A general introduction to health sociology. The course examines health and illness as social concepts by exploring the personal and structural determinants of health status and everyday health care practices in which people engage to maintain their health and to manage illness.

SOC 3540 Sociology of Health Care Systems (3) (*Prerequisite: 077.249 Sociology of Health & Illness is recommended*) An analysis of the social organization of formal and informal health care, including topics such as professionalism and health care, the nature of therapeutic relationships, institutional vs. community-based care, social reform and health care policy, medicine and the state, and emerging patterns of health care.

HNSC 1210 Nutrition for Health & Changing Lifestyles (3) This course addresses the relationship between nutrition and health. The focus is on healthy eating and on strategies for modifying food patterns within the context of lifestyle and culture. Not to be held with the former 030.117.

PHIL 2740 Ethics & Biomedicine (Prerequisite: 30 hours of University credit) An examination of some important ethical issues arising out of recent developments in biology and medicine. Examples of topics to be covered include the allocation of scarce medical resources, genetic engineering, euthanasia vs. the prolongation of life; abortion and infanticide; and experimentation on human subjects. Students may not hold credit for both 015.274 and either 015.229 or 015.253.