REPORT TO SENATE

FACULTY OF HEALTH SCIENCES
SUMMARY OF CURRICULUM CHANGES FOR 2012-13

This report highlights substantive changes being proposed. For a complete review of all changes, please refer to the Faculty of Health Sciences Curriculum Report for changes to the 2012-2013 Undergraduate Calendar, found at: http://fhs.mcmaster.ca/main/documents/health_sciences_curriculum_report_2012_13.pdf

NEW PROGRAMS
NONE

PROGRAM CLOSURES
NONE

MAJOR REVISIONS
NONE
REPORT TO UNDERGRADUATE COUNCIL

FACULTY OF HEALTH SCIENCES
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BACHELOR OF HEALTH SCIENCES (HONOURS) PROGRAM

- Revision of Program Overview for Global Health Specialization
  - Upon acceptance into the B.H.Sc. (Honours) program and the completion of Level I, students will apply to this specialization in March.
- Revision of Admission Procedures and Requirements
  - Replace Application for Admission to Level II with Program Application for Current Level 1 Students.
  - Delete references to year (2012) for application timelines for Secondary School Applicants and Transfer Applicants
  - HTH SCI 2D06 replaces HTH SCI 2E03 for Level II transfer, biomedical sciences and global health specialization students
- Revision to Curriculum in Biomedical Sciences Specialization
  - 3 units BIOCHEM 3C03 will replace HTH SCI 3W03 in 2012/2013
  - Specific Biochemistry course list has been replaced with any Level III/IV Biochemistry course
- 5 new courses
- 2 course deletions
- Changes to 8 existing courses

UNDERGRADUATE MEDICAL PROGRAM

- Minor revisions to the definitions of the Compass Curriculum

BACHELOR OF HEALTH SCIENCES MIDWIFERY PROGRAM

- Revision of program requirements
  - Two courses moved to Term
- Changes to Faculty Notes in course listing section
- Changes to 6 existing courses

BACHELOR OF SCIENCE NURSING PROGRAM

- Revision of admission requirements
  - Replace six units Chemistry with Biochemistry
  - Post Diploma R.P.N. (E) Stream – addition of note for 2012 admission
- Revision to Academic Regulations
  - B.Sc.N Program Academic Regulations: Basic (A); Post Diploma (B), (E); And Basic-Accelerated (F) Streams – renumbering of notes, addition of four new notes
- Introduction of Aboriginal Section RPN to B.Sc.N. Stream – Mohawk Site (includes revisions to admission requirements and academic regulations
- 2 New Courses
- Changes to 6 existing courses

BACHELOR OF HEALTH SCIENCES PHYSICIAN ASSISTANT PROGRAM

- No Change
BACHELOR OF HEALTH SCIENCES (HONOURS) PROGRAM

REVISION OF PROGRAM OVERVIEW:

GLOBAL HEALTH SPECIALIZATION

Upon acceptance into the B.H.Sc. (Honours) program and the completion of Level I, students will apply to this specialization in March.

*Rationale:* Last sentence added to clarify when students apply to the Global Health Specialization. Same sentence already used for the Biomedical Sciences specialization.

REVISION OF ADMISSION PROCEDURES AND REQUIREMENTS:

TRANSFER APPLICANTS, BIOMEDICAL SCIENCES SPECIALIZATION AND GLOBAL HEALTH SPECIALIZATION

Transfer applicants from McMaster University are required to complete a Program Application for Current Level 1 Students.

*Rationale:* Replace Application for Admission to Level II with Program Application for Current Level 1 Students. Correct the title of the form students complete on-line through SOLAR to select their Level II program for Level II transfer, biomedical sciences and global health specialization applicants.

SECONDARY SCHOOL APPLICANTS AND TRANSFER APPLICANTS

Delete references to year (2012) for application timelines.

*Rationale:* Last year we changed the deadline date for the mandatory supplementary application for Level 1 applicants to February 1st and April 15th for Level 2 transfer applicants to prevent changing the day of the week each year. Since the application deadline date will not change from one year to the next we no longer need to specify the year.

SECONDARY SCHOOL APPLICANTS

One U or M non-math/non-science (note: courses in technological education, science or mathematics are not acceptable).

*Rationale:* Change social sciences/humanities requirement to non-math/non-science requirement for consistency purposes. This language is used in all promotional material.

TRANSFER APPLICANTS, BIOMEDICAL SCIENCES SPECIALIZATION AND GLOBAL HEALTH SPECIALIZATION

HTH SCI 2D06 replaces HTH SCI 2E03 for Level II transfer, biomedical sciences and global health specialization students.

*Rationale:* This course requirement is not new to the curriculum. Adding the sentence to the calendar copy is for clarification purposes.
REVISED CURRICULUM:

B.H.Sc. (HONOURS) – BIOMEDICAL SCIENCES SPECIALIZATION (2277)

Level III:
3 units BIOCHEM 3C03 will replace HTH SCI 3W03 in 2012/2013

Rationale: Biochem 3C03 will be offered again in 2012/2013 in place of HTH SCI 3W03 in order to use faculty resources efficiently given the limited number of specialization students taking the course.

Level IV:
3-6 units from Level III/IV Biochem, HTH SCI 4II3, 4J03, MOL BIOL 4H03

Rationale: Specific Biochemistry course list has been replaced with any Level III/IV Biochemistry course to provide students with more course options.

NEW COURSES:

HTH SCI 3TA3 MATTERS OF TASTE
Taste perception forms the basis of this interdisciplinary course. Biological underpinnings will be studied using a problem-based approach; cultural transmutations of molecular mechanisms will be explored using diverse sources (novels, cook-books or films).
Three hours; one term
Requisite(s): Registration in Level III or above and permission of instructor
Course capacity: 25 Categories: Nil

Rationale: This course was formerly offered as a third year Inquiry topic, but given its popularity with students in the program we have decided to create a new course code and open the course to other students.

HTH SCI 3EE3 BIOMEDICAL GRAPHICS
An art course for science students, participants will learn the basics of visual literacy, design and the software used to create effective illustrations or figures in support of scientific communication.
One lecture; one lab; one term
Prerequisite(s): Registration in Level III or above of the B.H.Sc. (Honours) or Honours Art Programs
Students must be artistically inclined.
Course capacity: 13 Categories: HSC 76% ARTS 24%

Rationale: This course was designed based on BHSc student interest in this area, particularly for students interested in applying to the Biomedical Communications Graduate Programs. Limited space is available to students registered in the Arts Program.

HTH SCI 3HH3 DECEPTIONS IN DECISION MAKING
Students will explore and examine how hidden strategies/factors are deployed to create popular mindsets, beliefs, propagandas and perceptions. By using examples from education, health care, psychology & behavior economics, students will have an exciting platform to deconstruct some of the popular mindsets/stereotypes/beliefs and then use that knowledge to become an effective advocate.
Three hours; one term
Prerequisite(s): Registration in Level III or above of the B.H.Sc. (Honours) program
Course capacity: 20 Categories: Nil

Rationale: Provide students with a framework to analyze personal and professional decision making in a context that is grounded in the research literature in cognitive assessment.
HTH SCI 3SB3  BACTERIAL ANTIBIOTIC RESISTANCE
This course will examine the biochemistry of antibiotic resistance in bacteria. Prominent “superbugs” plaguing patients will be covered, as well as potential novel interventions to move antimicrobial chemotherapy forward. Three hours; one term
Prerequisite(s): HTH SCI 2K03
Course capacity: 30  Categories: Nil

Rationale: Developed in response to an escalation in hospital acquired communicable disease and a more intense research focus on antibacterial agents in the Department of Biochemistry.

HTH SCI 4SM3    ADAPTATIONS TO MICROGRAVITY
The microgravity environment has tested the adaptation of the human body. As the world’s space agencies focus their attention on missions to the ISS, Moon and Mars, much is still unknown as to the human capability for these missions. The medical risks sending humans to the ISS involving the neurovestibular system, cardiovascular system, sleep disturbances, and nutrition assessment will be studied. Decisions based on risk and benefit will be made. Weekly discussions will be focused on medical issues surrounding sending humans into space. Experience gained from short duration and long duration missions will be the focus.
Three hours; one term
Prerequisite(s): Registration in Level IV of the B.H.Sc. (Honours) program and permission of instructor
Course capacity: 20  Categories: Nil

Rationale: Developed to explore content in space physiology in an inquiry format.

COURSE DELETIONS:

HTH SCI 4VV3    Space Medicine and Physiology
HTH SCI 3J03    Health, Injury and Pathology

Rationale: Instructors for both courses are no longer available to teach. Both courses have not been offered for the past two academic years.

CHANGES TO EXISTING COURSES:

HTH SCI 1G03  PSYCHOBIOLOGY
This course introduces essential components of the central and peripheral nervous systems as well as key regulatory systems. Concepts such as plasticity, homeostasis, compensation and adaptation and ways in which failure of these regulatory systems can lead to illness states are examined.
Two lectures, one tutorial; one term
Prerequisite(s): Credit or co-registration in BIOLOGY 1A03 or HTH SCI 1I06
Antirequisite(s): ISCI 1A24, PSYCH 1A03
Not open to students with credit or registration in PSYCH 1XX3

Rationale: Calendar note added for consistency purposes to calendar copy. Psych 1XX3 has not been open to BHSc students for several years given overlap in course content.

HTH SCI 3L03  INTRODUCTION TO BIOETHICS
This course will cover ethical issues that are relevant to biological sciences. Topics will include genetic engineering and cloning, genetic screening, reproductive technology and the use of behavioural strategies to alter societal behaviours.
Two lectures, one tutorial; one term
Prerequisite(s): HTH SCI 2K03
Antirequisite(s): HEALTHST 3E03, PHILOS 2D03

Rationale: Antirequisite added for consistency purposes to calendar copy. Philosophy Department has indicated that there is overlap in course content.
HTH SCI 4EE3  EDUCATION PRACTICUM IN HEALTH SCIENCES
An opportunity to explore pedagogy as it relates to best practice in education.
Sessions arranged individually or in small groups; two terms
Prerequisite(s): Permission of the Assistant Dean, B.H.Sc. (Honours) program
HTH SCI 4EE3 may be repeated to a total of six units.

Rationale: Correction to calendar copy. Students are not able to repeat this course. It is not a topic course.

HTH SCI 4II3  ADVANCED TOPICS CONCEPTS IN IMMUNOLOGY
This course will build on knowledge of the immune system and focus on the immune system in disease:
allergy, inflammation, autoimmunity, immune deficiency, malignancy and cancer immunotherapy.
Two lectures, one tutorial; one term
Prerequisite(s): BIOLOGY 3X03 or HTH SCI 3I03
Antirequisite(s): BIOLOGY 4II3

Rationale: Removing the word topic from course title since the course is not an official “topic” course.

HTH SCI 4LD3  GLOBAL HEALTH GOVERNANCE
This course surveys contemporary issues and debates in global health governance, law & politics from an
from an interdisciplinary perspective. Theory will converge with practice as students examine the historical
development of global health, its regulatory framework, principal coordinating mechanisms and emerging
challenges to its effective governance.
Three hours, one tutorial; one term
Prerequisite(s): Registration in Level III or above in the B.H.Sc. (Honours) Program or Arts & Science
Program or B.H.Sc. (Honours) Global Health Specialization; or permission of instructor

Rationale: Tutorial added to timetable, as well as additional information to course description for calendar
copy.

HTH SCI 4M03  ADVANCED TOPICS CONCEPTS IN HEALTH PSYCHOLOGY
This course will explore the role of psychological factors in health and disease. Topics include stress, coping,
health promoting/compromising behaviours, patient-physician communication, adherence, pain, heart disease
and cancer.
Three hours; one term
Prerequisite(s): HTH SCI 2J03 and registration in Level III or above of the BHSc (Honours) Program

Rationale: Removing the word topic from course title since the course is not an official “topic” course.

HTH SCI 4QQ3  COMMUNICATION SKILLS PRACTICUM
An opportunity to explore pedagogy as it relates to best practice in education.
Sessions arranged individually or in small groups; two terms
Prerequisite(s): Permission of the Assistant Dean, B.H.Sc. (Honours) program
HTH SCI 4QQ3 may be repeated to a total of six units.

Rationale: Correction to calendar copy. Students are not able to repeat this course. It is not a topic course.

HTH SCI 4ZZ3  GLOBAL HEALTH ADVOCACY
This course aims to foster appreciation for the complexity of today’s most pressing global health challenges
and the ways that various actors work to overcome them.
Three lectures hours, one tutorial; one term
Prerequisite(s): Registration in Level III or above in the B.H.Sc. (Honours) Program or Arts & Science
Program or B.H.Sc. (Honours) Global Health Specialization; or permission of instructor

Rationale: Three hours added to reflect the Master Timetable.
UNDERGRADUATE MEDICAL PROGRAM

MINOR REVISIONS TO THE COMPASS CURRICULUM

The COMPASS Curriculum

In September 2005, the Undergraduate MD Program at McMaster University inaugurated a completely new curriculum called the COMPASS curriculum. The curriculum focuses on the mastery of fundamental concepts in medicine. It continues the McMaster tradition of problem-based learning but incorporates research findings from cognitive psychology. The curriculum is structured on the integration of critical concepts and each step of the curriculum is based on the growth of important concepts learned previously. Tutorial problems are selected to illustrate these concepts in a clinical setting and when students are exploring tutorial problems, which remain the focus of learning, they will be directed towards asking questions of what and why and how as much as what is the diagnosis.

The pre-clerkship curriculum is divided into five Medical Foundations as shown in the curriculum outline. A novel feature of the curriculum is a horizontal Professional Competencies curriculum which runs throughout the three years of the program. As in the Foundations tutorial-based curriculum, students will work in small groups throughout the Professional Competencies curriculum which interdigitates and remains connected to the Foundations curriculum throughout the pre-clerkship and on into the clerkship. The core competencies of the Professional Competencies curriculum are effective communication, population health, lifelong learning, self-awareness and self care, personal growth, moral reasoning and ethical judgment, professionalism and role recognition, and social and cultural dimensions of health, community context of health care, using science to guide practice. The Professional Competencies curriculum is also problem-based and includes inter-professional education and competency-based assessment using portfolios and learning plans. Some of the content areas addressed in this component of the curriculum are medical ethics, health economics, communication, etc.

BACHELOR OF HEALTH SCIENCES MIDWIFERY PROGRAM

CHANGES TO PROGRAM REQUIREMENTS

LEVEL III: 45 UNITS

3 units  MIDWIF 3J03 (Term 1)
6 units  MIDWIF 3J06 (Term 1)
6 units  MIDWIF 3K06 (Term 1)
9 units  MIDWIF 3A09 (Term 1 2)
3 units  MIDWIF 3F03 (Term 1 2)
3 units  MIDWIF 3L03 (Term 2)
15 units  MIDWIF 3H15 (Spring/Summer) (Term 3)

Rationale: Housekeeping change – to correct the listing regarding the course Term in this section of the Calendar.

CHANGES TO NOTES IN COURSE LISTINGS SECTION

Rationale: Housekeeping change for consistency (alphabetic order), made to the Faculty Note in the course listings section in two places.
**Health Sciences**

**FACULTY NOTE:**
This course listing is divided into two parts:

1. Bachelor of Health Sciences (Honours) program courses, Biomedical Sciences Specialization courses and Global Health Specialization.
2. Health Sciences courses normally available only to students registered in Engineering (Chemical Engineering and Bioengineering or Electrical and Biomedical Engineering), Midwifery, or Nursing (A), (B), (E) or (F) Streams or Midwifery, as applicable.

**Bachelor of Health Sciences (Honours) {276}**

**Health Sciences (Engineering, Midwifery, Nursing) {276}**

**FACULTY NOTE:**
This course listing is divided into two parts:

1. Bachelor of Health Sciences (Honours) program courses, Biomedical Sciences Specialization courses and Global Health Specialization.
2. Health Sciences courses normally available only to students registered in Engineering (Chemical Engineering and Bioengineering or Electrical and Biomedical Engineering), Midwifery, or Nursing (A), (B), (E) or (F) Streams or Midwifery, as applicable.

**CHANGES TO EXISTING COURSES**

**MIDWIF 2G06 CLINICAL SKILLS FOR MIDWIFERY PRACTICE**
Lecture, demonstration and laboratory practice of fundamental skills for midwifery practice. This course combines theoretical aspects with clinical lab as well as including short placement components in which students attend births and midwifery clinics.

One lecture (three hours), one lab (three hours); first term
Prerequisite(s): MIDWIF 1D03
Antirequisite(s): MIDWIF 2A03, 2G03
May be taken concurrently with MIDWIF 1D03 with permission of the Program Director.

**MIDWIF 2H15 NORMAL CHILDBEARING**
First clinical placement under the supervision of a registered midwife (18 weeks): students focus on beginning level skills for the care of women experiencing normal childbearing. Weekly problem-based tutorials include normal antepartum, intrapartum, postpartum and newborn care situations.

Second term
Prerequisite(s): HTH SCI 2M03, MIDWIF 1D03, 2F03, 2G06 (or 1A06 or 2G03). A minimum CA of 6.0 in first term is required.
Antirequisite(s): MIDWIF 3C15

**MIDWIF 3H15 COMPLICATIONS AND CONSULTATION**
Second placement in a midwifery practice: students extend skills to more complex childbearing situations. Problem-based tutorials focus on expanding the knowledge base of maternal-newborn complications, for consultation and referral, and relationships with other health care providers.

Summer term
Prerequisite(s): MIDWIF 2H15, 3A09, 3L03
Antirequisite(s): MIDWIF 3C15

**MIDWIF 4A15 MATERNAL AND NEWBORN PATHOLOGY**
Third placement in a midwifery practice. In defined situations, supervision is indirect. Students care for an assigned caseload, including situations with complications. Problem-based tutorials focus on midwifery roles and responsibilities in highly complex and urgent situations.
First term
Prerequisite(s): MIDWIF 3H15 (or 2C15)
Antirequisite(s): MIDWIF 3B15

**MIDWIF 4B15 MIDWIFERY CLERKSHIP**
Final placement in a midwifery practice. Supervision is increasingly indirect. Students formulate and provide care to an entire caseload of women. Tutorials and workshops include case review, preparation for registration and establishing a practice in Ontario.

Second term
Prerequisite(s): MIDWIF 4A15 (or 3B15)
Antirequisite(s): MIDWIF 3C12, 3E03

**Rationale:** Housekeeping change to remove listing of prerequisite and anti-requisite courses that have not been offered for five years or more.

**HTH SCI 1D06 ANATOMY AND PHYSIOLOGY**
This course covers basic concepts of human structure and function, genetics and embryology through lectures, demonstrations and appropriate laboratory assignments.
Lectures/tutorial (four hours), labs (two hours); both terms
Prerequisite(s): Registration in the Midwifery Education program
Co-requisite(s): HTH SCI 1BS0 if not already completed
Antirequisite(s): BIOLOGY 1J03, 3U03, 3UU3, HTH SCI 2F03, 2FF3, KINESIOL 1A03, 1A06, 1AA3, 1X06, 1Y03, 1YY3, MED PHYS 4XX3, SCIENCE 4XX3

**Rationale:** Housekeeping change to add the lab safety course as a co-requisite course.

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**BACHELOR OF SCIENCE NURSING PROGRAM**

**REVISION TO ADMISSION REQUIREMENTS**

**IV. BASIC-ACCELERATED (F) STREAM**
The Basic-Accelerated (F) Stream is available to those applying from a university science program of studies. Students may complete the program of studies in five academic terms. **Note:** F Stream is not open to students currently enrolled/registered in the Basic Stream at McMaster or any other nursing program. Applicants with two undergraduate degrees will not be considered for the Accelerated Stream. Please see the policy under the General Academic Regulation section of the Undergraduate Calendar.

To be considered applicants must:
1. achieve a Cumulative Average of at least B- in all university degree credit courses taken.
2. complete a minimum of 54 units (2 full years) of university credit which include a grade of at least C- on each of the following required courses:
   - six units of Psychology of which at least three units consist of Introductory Psychology
   - six units of Human Physiology or six units of Human Anatomy and Physiology
   - six units of Biochemistry Chemistry (preferred) or six units of Chemistry and three units of Statistics
   - six units is equivalent to one full credit or two half credits

**Note:** When choosing Chemistry Biochemistry courses to meet the requirements, students are advised to select relevant courses that would facilitate success in a nursing program. For example, three units of Biochemistry and three units of Human Nutrition will be acceptable. Students must have completed or be currently registered in the required courses at the time of application.
3. apply online at [http://www.ouac.on.ca/](http://www.ouac.on.ca/) using Form 105D to OUAC and pay the required fees no later than February 15; Current McMaster students are not required to apply through OUAC.

4. submit all secondary and post-secondary transcripts to the Office of the Registrar at McMaster University by February 15. Applicants who are in their final year of their degree when applying or are applying as a second degree do not have to submit their high school transcript.

5. submit the completed supplementary application on-line following instructions at [http://www.fhs.mcmaster.ca/nursing/](http://www.fhs.mcmaster.ca/nursing/) by February 15.

**Rationale:** Students in this stream are disadvantaged if they take Chemistry instead of Biochemistry and they are missing important content on human nutrition. Based on the profiles of applicants, these changes in Admission Requirements should not result in significant numbers of applicants being excluded.

**POST DIPLOMA R.P.N. (E) STREAM**
McMaster Site {6338}
Conestoga Site {6383}
Mohawk Site {6384}

**REQUIREMENTS FOR STUDENTS WHO ENTER IN 2012**

**ELECTIVES**
Twenty one units of electives are to be selected from disciplines of the student’s choice of which a minimum of 9 units are to be chosen from courses designated Level II or above. For some courses the amount of duplication of required content will preclude use for elective credit in the B.Sc.N. program. Normally a maximum of nine units of Nursing and/or Health Sciences electives may be selected. Mohawk site students take 9 units of COLLAB electives and 12 units of McMaster electives. Conestoga site students take 12 units of COLLAB electives and 9 units of McMaster electives.

**Advanced Credit:** 30 units
**Level II:** 34 units
(Units graded: 31 28; Units Pass/Fail: 4-6)

- 15 units HTH SCI 1CC6, 2C06, 2RR3
- 13 units NURSING 2A04, 2AA3, 2T04, 2DP2
- 3 units Electives
- 1 course NURSING 1A00

**Spring Term:**
- 3 units HTH SCI 2S03

**Level III:** 30 units
(Units graded: 20 23; Units Pass/Fail: 9-7)

- 15 units NURSING 3QQ3, 3SS4, 3TT4, 3Y04

- 15 units Electives

**Level IV:** 30 units
(Units graded: 13; Units Pass/Fail: 17)

- 3 units HTH SCI 4NR3

- 24 units NURSING 4J07, 4K10, 4P04,
**Rationale:** Students in this stream have previously completed N1K02 (Health and Wellbeing of Diverse Populations) in Level 3 of their program. After a first implementation of this, it has become apparent that students should complete this course in Level 2 of their program, and should take a course that represents a combination of the learning activities and overall activities of N1K02 and N2K02. Students in this stream already have some professional practice experience (albeit at the level of the Registered Practical Nurse) and have previously encountered individuals living with a range of health challenges. The new course (N2xx2) should be leveled to the unique needs of the students in this stream.

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**REVISION TO ACADEMIC REGULATIONS**

**B.Sc.N PROGRAM ACADEMIC REGULATIONS**

**BASIC (A); POST DIPLOMA (B), (E); AND BASIC-ACCELERATED (F) STREAMS**

**B.Sc.N. Program Academic Regulations**

Basic (A); Post Diploma (B), (E); and Basic-Accelerated (F) Streams

A student must:

1. **Minimum Cumulative Average:** A student must achieve a Cumulative Average (CA) of at least 5.0 to be eligible to continue in the program (effective September 2011 intake);

2. **Minimum Course Grades:** A student must achieve a grade of at least C- in the graded Nursing and required Health Sciences courses. A grade of D-, D or D+ is permissible in six units of Level I Health Sciences courses (Basic (A) Streams) or one Level I Health Sciences course to a maximum of 11 units in total across all levels (Post Diploma (B) and (E) Streams) and in only one required Health Sciences course beyond Level I (all streams);

3. **Passing Grades in Clinical Courses:** A student must achieve a Pass designation in all clinical courses, and the clinical component of NURSING 2A04.

The following courses are designated clinical courses:

- Basic (A) Streams: NURSING 1I02, 1J02, 2L03, 2P03, 3QQ3 (or 2Q03), 3X04, 3Y04, 4J07, 4K07, 4K10
- Diploma Registered Nurses to BScN (B) Stream: NURSING 4S06, 4T06
- Registered Practical Nurses (E) to BScn Stream: NURSING 2AA4, 2T04, 3QQ3 (or 2Q03), 3X04, 3Y04, 4J07, 4K07, 4K10
- Basic-Accelerated (F) Stream: NURSING 2J04, 2U03, 3QQ3 (or 2Q03), 3X04, 3Y04, 3ZA3, 3ZB3, 4J07, 4K07, 4K10

Clinical courses are usually evaluated on a Pass/Fail basis. Areas of excellence in practice are noted in a detailed evaluation summary for each course. (A course for which credit has not been given may be repeated only when approval is given by the Coordinator of Studies in consultation with the program Reviewing Committee.)

**Rationale:** The list must be updated to reflect changes made with the Kaleidoscope Curriculum. There are several courses for the “old” curriculum that continue to be listed for students who have not progressed through the program in the anticipated timeframe.

4. **Course Completion** For core nursing and health science courses, students must register in and successfully complete all the work of one level before proceeding to the next level. For each of the streams (A, B, E and F), courses must be taken in the sequence specified by the program requirements. The following courses must be complete by the end of Level 2 and before the start of Level 3;
• PSYCH 1X03 (McMaster and Mohawk) or PSYCH 1N03 (Conestoga) – Introduction to Psychology, Neuroscience & Behaviour
• PSYCH 1XX3 (McMaster and Mohawk) or PSYCH 1NN3 (Conestoga) – Foundations of Psychology, Neuroscience & Behaviour

The following course must be complete by the end of Level 3 and before the start of Level 4:
• Health Sciences 2S03 – Introduction to Statistics for Nursing

**Rationale:** The experience over the past 3 years in Reviewing Committees has found that there are a number of students who have not been successful in the above courses and have been required to take the course a second time. Of those students, there have been a very small number of students who are not successful on a second attempt. In detailed analysis of the patterns for predicting success in other courses, it has been determined that upper level courses build upon these foundational courses and leaving a second attempt until after upper level courses have been taken contributes to students being required to withdraw from the program.

4.5. **Dropping Courses:** Students who drop or cancel required Nursing or Health Science courses must notify the Office of the Coordinator of Studies. The Program reserves the right to limit the number of times a student may register for and then drop or cancel a course, due to resource limitations.

6. **Leave of Absence** Request for a Leave of Absence based on compelling medical or personal reasons must be made in writing to the Academic Advisor. The letter must outline the date of the beginning of the leave and the anticipated date of return. Notification of return from a Leave of Absence must be made through a letter to the Academic Advisor no later than May 1 of the academic year of re-entry. A reintegration plan for re-entry will be made by the Academic Advisor in consultation with the Coordinator of Studies. Normally only one Leave of Absence will be granted for the duration of the program.

**Rationale:** While there is currently a policy regarding requesting leaves of absence, it is prudent to have a clear statement regarding the requirement for a reintegration plan. This is related to ensuring patient safety and optimizing student success and is consistent with what is required in other BScN Programs across Ontario, and indeed in the country. Current practice is to counsel students to voluntarily participate in an individually tailored reintegration plan. The plan may involve giving student access to online materials or to have supervised practice sessions in our clinical skills labs (there is one at each of McMaster, Mohawk, and Conestoga).

7. **Non-Academic Requirements** A student must comply annually with all non-academic requirements as outlined by the program. Failure to do so will result in removal from class and/or professional practice courses.

**Rationale:** This is current policy and practice is published within the BScN Handbook for all students. By including this within the Undergraduate Calendar, it highlights the importance of the regulation. These Non-Academic requirements are there to protect the patients with whom students come in contact (e.g. Cardio Pulmonary Resuscitation, immunizations).

5.8. **Access to Nursing Courses:** Normally, Level I, II, III and IV Nursing courses are available only to students registered in the B.Sc.N. Program.

6.9. **Travel within the Program:** Students are responsible for arranging their own travel to and from learning settings external to the University and for covering any costs incurred. All students who enrol in the B.Sc.N. program are expected to travel to any learning setting in Hamilton and the surrounding area, including Halton, Peel, Brant, Haldimand-Norfolk, Niagara and Wellington regions (McMaster and Mohawk); and Kitchener-Waterloo and surrounding area, including Wellington, Brant and Halton regions (Conestoga).

7.10. **Access to Clinical Courses:** Students in any stream who register for a clinical lab course in Level III or above must also submit a placement request to the Placement Coordinator. Students who fail to meet the published deadline but who register for the course at least two months prior to the date it is to
commence will be assigned a placement setting without consideration of their preferences. Students who do not register two months in advance and who fail to meet the submission deadline will normally be required to defer their placement until the next term in which the course is offered. The final assignment of learning settings for any course is constrained by the availability of the requested setting and faculty resources. Students may therefore be required to complete the practicum component of a course in a learning setting that is not of their choosing.

8. **International or Outpost Clinical Placements:** For Level IV students in Basic Streams (A) and (E) who are interested in International or Outpost placements, prerequisites include, but are not limited to, attaining a Cumulative Average of 8.0 in all Level II and Term 1 of Level III (Basic A Stream) or Term 2 of Level II and Term 1 of Level III (R.P.N. to B.Sc.N. E Stream), a pass in all clinical courses, and a pass in HTH SCI 3B03 or HTH SCI 2RR3.

9. **Specialized/atypical Clinical Placements:** Specialized/atypical placements in Level IV are only available to students with a Cumulative Average of 8.0 in all Level II and Term 1 of Level III (Basic A Stream) or Term 2 of Level II and Term 1 of Level III (R.P.N. to B.Sc.N. E Stream), and a pass in all clinical courses.

10. **Access to Leadership and Management Courses:** The Leadership and Management courses are open only to students registered in the Leadership and Management program, which was previously administered and is currently endorsed by the Canadian Nurses Association. Students in the B.Sc.N. (B) Stream may apply to the coordinator of the Leadership and Management program for permission to take these courses.

14. **Non-Academic Requirements** A student must comply annually with all non-academic requirements as outlined by the program. Failure to do so will result in removal from class and/or professional practice courses.

**Rationale:** This is current policy and practice is published within the BScN Handbook for all students. By including this within the Undergraduate Calendar, it highlights the importance of the regulation. These Non-Academic requirements are there to protect the patients with whom students come in contact (e.g. Cardio Pulmonary Resuscitation, immunizations).

15. **Transfer between Sites:** Students attend the institution to which they are admitted for the entire program. Transfer from Mohawk or Conestoga Colleges to McMaster University site is not an option. Similarly, transfer from McMaster University to Mohawk or Conestoga Colleges is not an option. Transfers may be permitted between the College sites, based on availability of space in the Program at the desired site.

To request a transfer between the College sites, the student must:

- Register with OCAS requesting a transfer before February 15
- Provide a letter to the Associate Dean/Chair and the Academic Advisor requesting the transfer
- Request a letter of good standing be sent by the Associate Dean/Chair to the site to which you wish to transfer. Only students in good academic standing (GPA of 3.5 or above for those entering before September 2011; GPA of 5 after September 2011; not on academic probation) with a minimum of a B average in Nursing and Health Sciences courses will be considered.

**Rationale:** This is the regulation as published in the McMaster Mohawk Conestoga Consortium Policy and Procedure Manual and was negotiated at the time that the Consortium was formed. The rationale for the policy relates to how students are funded differentially from MTCU depending upon the site to which they are accepted. This is current practice but this is not transparent to all students. Therefore, it is requested to include this in the Undergraduate Calendar to enhance communication to students.

16. **Documentation for Licensure outside of Canada** Documentation for Licensure for outside of Canada is done by the Office of the Coordinator of Studies. A fee of $100, for each request, is charged for
providing the documentation and sending, by courier, to the agency requesting such documentation. Forms requesting this documentation are available on the website of the Coordinator of Studies. www.mcmaster.ca/nursing/education_cos.html

**Rationale:** Review of student files to provide this required documentation is a time-consuming process. The documentation required is unique for each state or country and forms must be completed after a thorough review of the student’s records. It may take as little as 2 hours to complete one form or this may require upwards of 2 days to compile all of the documentation. The fee requested is minimal compared to resources required to complete this process. Currently this service is provided at no fee.

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INTRODUCTION OF ABORIGINAL SECTION RPN TO BSCN STREAM-MOHAWK SITE

**Rationale:**
This newly proposed section of the RPN to BScN (E) Stream is a modification of an existing program that is tailored to the needs of a particular group of underserved students: Aboriginal Registered Practical Nurses who wish to obtain a Bachelor of Science in Nursing. The introduction of this Section will address two identified needs of Aboriginal Peoples and specifically Six Nations: to increase the health of Aboriginal Peoples by having culturally appropriate care provided by Aboriginal nurses and to provide access to career ladders for eligible Registered Practical Nurses. The Aboriginal Nurses Association of Canada stated that only 8 schools in Canada “reported having an Aboriginal specific access/bridging/transition program in 2007 to accommodate potential Aboriginal nursing students.” (ANAC, Nursing Fact Sheet, available at www.anac.on.ca).

It is anticipated that students in the Basic (A), RPN to BScN (E), and Basic Accelerated (F) Streams will also benefit by the creation of this Section as they will have access to greater Aboriginal content and clinical placements within the Six Nations community as courses are modified to address the students’ needs. Furthermore, they will share some classes with this group of students, hopefully enhancing greater understanding of Aboriginal health issues and increasing their degree of cultural competency and safety.

The Course of Studies and Program Outcomes for this Aboriginal Section are the same as those of the RPN to BScN (E) Stream of the BScN Program. However, individual courses will be modified to include content and contexts that have an Aboriginal focus. This will allow students to see themselves within the curriculum, and increase the relevance of the program for this group of students. Evaluation measures will be equivalent to those found in the (E) Stream, although a proportion of specific assignments will be modified to focus on more culturally appropriate material. Courses identified with an asterisk** will be taught at Six Nations Polytechnic to increase access to classes. The remaining courses will be taught at the McMaster campus (IAHS and other facilities) or the Fennell campus of Mohawk College so that students have access to appropriate laboratories and the university environment, have interactions with other university level students, and have a mix of clinical experience in teaching hospitals in larger urban areas and within Aboriginal settings.

REVISION TO ADMISSION REQUIREMENTS

**III POST DIPLOMA R.P.N. TO B.S.C.N PROGRAM (E) STREAM (MOHAWK AND CONESTOGA SITES)**

**Aboriginal Section of the R.P.N. to B.Sc.N. Program (E) Stream (Mohawk)**
Mohawk College has targeted 5% of its enrolment to seats in Health Science, Human Services and Applied Arts postsecondary programs to qualified Aboriginal students in oversubscribed programs. Barriers such as highly competitive grade-point averages or overall ranking was removed, while still ensuring all participating students met the minimum program admission requirements. By eliminating the competitive barriers with an oversubscribed program, an additional pathway for Aboriginal students has been created in postsecondary education. Preference is given to Aboriginal students in the Aboriginal Section of the RPN to BScN Stream, but if not completely filled, qualified non-Aboriginal applicants are offered admission to this site to facilitate
integration of cultural learning and experiences for both Aboriginal and non-Aboriginal students. This mixture of Aboriginal and non-Aboriginal students ensures a full cohort to achieve financial sustainability and supports the partnership’s goals of integrating learning opportunities for both groups of students, enriching the learning outcomes for all students and strengthening partnerships with our Aboriginal Communities.

Applicants should contact the Associate Dean Nursing, Mohawk College for further information. Applicants should apply to Ontario College Application Services (OCAS) along with the required fees by February 1. All applications must be received by OCAS on or before this date to be given equal consideration by the colleges. Please note that February 1 is not a deadline for submitting applications as OCAS will continue to process applications received after this date. You are encouraged, however, to submit your application as early as possible, especially in the case of oversubscribed programs where there are often enough applications from qualified applicants received by the equal consideration date (February 1) to fill the program.

REVISION TO ACADEMIC REGULATIONS

ABORIGINAL SECTION RPN TO BSCN STREAM-MOHAWK SITE

Twenty one units of electives are to be selected from disciplines of the student’s choice of which a minimum of 9 units are to be chosen from courses designated Level II or above. For some courses the amount of duplication of required content will preclude use for elective credit in the B.Sc.N. program. Normally a maximum of nine units of Nursing and/or Health Sciences electives may be selected. Students will take 12 units of COLLAB electives and 9 units of McMaster electives.

Advanced Credit: 30 units
Level II: 34 units
(Units graded: 28; Units Pass/Fail: 6)

15 units HTH SCI 1CC6, 2C06, 2RR3**
13 units NURSING 2A04**, 2AA3**, 2T04**, 2DP2**
 3 units Electives
 1 course NURSING 1A00

Spring Term:
 3 units HTH SCI 2S03

Level III: 30 units
(Units graded: 23; Units Pass/Fail: 7)

15 units NURSING 3QQ3**, 3SS4**, 3TT4**, 3Y04
15 units Electives (3-6 units of electives will be offered at Six Nations Polytechnic)

Level IV: 30 units
(Units graded: 13; Units Pass/Fail: 17)

3 units HTH SCI 4NR3
24 units NURSING 4J07, 4K10**, 4P04**, 4Q03**
NEW COURSES

**HTH SCI 3HN3 PARTNERING WITH HAMILTON NEIGHBORHOODS FOR HEALTH**
This course brings together students from a variety of disciplines such as: nursing, geography, business, social work, health studies, engineering and health sciences to acquire and integrate knowledge of the principles of primary health care with a focus on intersectoral action and community participation, assets-based community development processes, ecosystems approaches to health, integrated knowledge exchange approaches with citizens, and population health interventions for healthier neighbourhoods and communities. While partnering with specific Hamilton neighbourhoods, students guided by faculty will work with neighbourhood planning groups to address specific issues for the development of healthy neighbourhoods and resilient communities.
Three hours (lecture/seminar/service learning); one term
Prerequisite(s): Registration in Level II or above plus permission of instructor.
This course contains off-campus components.

**Rationale:** This course was offered in 2011/12 Academic year on Dean’s Permission (as 3R03 INDEPENDENT STUDY) as it was part of a funded research project of partnering with the Hamilton community to address their unique needs. This interdisciplinary course is currently being offered for a first time and has been popular with students and community partners alike. A full evaluation of the course will be conducted after it has been offered once and minor revisions will be made. It is intended to offer this course in the future and now requires a new Health Sciences course number. Last year this class was limited to 10 students, two of which were from nursing.

**NURSING 2DP2 HEALTH AND WELL-BEING OF DIVERSE POPULATIONS FOR RPN TO BScN**
This course assists students to gain a depth of understanding of influences on the health and well-being of diverse populations including expanded knowledge of professional responsibilities of civic engagement.
This course is evaluated on a Pass/Fail basis.
32 hours service learning, two lectures (one hour each), five seminars (one hour each); two terms
Prerequisite(s): Level II of the RPN to BScN Stream
Antirequisites: N1K02; N2K02

**Rationale:** This course is a blending of two courses that are offered to Basic (A) Stream students N1K02 and N2K02. There is some content and learning activities of N1K02 that are required to understand the fundamentals of this course. However, the learning outcomes/objectives of this course should match those of N2K02. The prior learning of the RPN to BScN (E) Stream students means that this cohort will be able to move quickly through the content, learning activities, and evaluation measures of both N1K02 and N2K02 in one year as opposed to two years.

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**COURSE DELETIONS**

HTH SCI 1CC7 INTEGRATED BIOLOGICAL BASES OF NURSING PRACTICE I
HTH SCI 2C07 INTEGRATED BIOLOGICAL BASES OF NURSING PRACTICE II
NURSING 2R03 INTRODUCTION TO STATISTICS FOR NURSING
NURSING 3S03 NURSING CONCEPTS IN HEALTH AND ILLNESS III
NURSING 3T03 NURSING CONCEPTS IN HEALTH AND ILLNESS IV
NURSING 3U02 INTEGRATIVE NURSING PRACTICE SEMINAR

**Rationale:** The above courses are deleted from the Undergraduate Calendar as they are being phased out of the BScN Program with the introduction of the Kaleidoscope Curriculum and there are no further students requiring these courses in their Course of Studies. Any students who were admitted under “old” curriculum have been transitioned into the Kaleidoscope Curriculum.
CHANGES TO EXISTING COURSES

HTH SCI 1H06 HUMAN PHYSIOLOGY AND ANATOMY I
A study of anatomy and physiology of the communication and locomotion systems and the systems maintaining homeostasis.
Lecture (two hours), lab or tutorial (three hours); two terms
Prerequisite(s): Registration in Nursing I or permission of the instructor
Co-requisite(s): HTH SCI 1B05 if not already completed
Antirequisite(s): BIOLOGY 1J03, 2A03, HTH SCI 1H03, 1H05, 2F03, 2F03, 2L03, 2L03, KINESIOL 1A03, 1A06, 1A3, 1X06, 1Y03, 1Y3, MED PHYS 4XX3, SCIENCE 4XX3

Rationale: For the last five years students have not been given permission to take this course unless they are registered in Level 1 of the Basic Stream of the BScN Program due to lack of space in the classroom for this over-enrolled course. This is the cross-listed course that is also taken by students in Engineering, Bachelor of Health Sciences, and Midwifery. Removing permission of instructor takes away false hope of other interested students that this could be used as an elective.

HTH SCI 2C06 INTEGRATED BIOLOGICAL BASES OF NURSING PRACTICE II
Students will integrate concepts of pathophysiology and will include principles of microbiology and pharmacology essential to the assessment and understanding of health care challenges.
Lecture (two hours), seminar (two hours), one journal club (one two hours), one two on-line tutorial; one term
Prerequisite(s): HTH SCI 1CC6 or 1CC7
Antirequisite(s): HTH SCI 2AA2, 2B08, 2BB2, 2C07, 2CC2, 2DD2, 2H03, 2HH3, KINESIOL 1Y03, 1YY3

Rationale: This reflects what is currently being offered in this course and the drop in one hour of total class time reflects a 6 unit course. The previous combination of approaches was what was offered when this was a 7 unit course.

NURSING 1K02 HEALTH AND WELL-BEING OF DIVERSE POPULATIONS I
Health and well-being are explored from multiple perspectives. Students will explore professional responsibilities of civic engagement.
This course is evaluated on a Pass/Fail basis.
32 hours service learning, four two lectures (one hour each), four five seminars (one hour each); two terms
Prerequisite(s): Registration in Nursing I or Level II of the B.Sc.N. (E) Stream

Rationale: This course will no longer be offered to RPN to BScN students who will instead take the course listed below which contains those elements of N1K02 and N2K02 that are appropriate to this group of students. This acknowledges their previous learning, while ensuring that they have a comparable program with ultimately the same program goals as the Basic Stream students. It was also found that students required more small-group discussions rather than large group lectures to help them integrate into their service learning settings.

NURSING 4Q03 ADVANCED NURSING CONCEPTS II
This is an online a blended in-person and online course in which students expand and integrate their knowledge base and apply critical reasoning skills in the examination and development of their professional practice. Students examine their professional practice with a focus on the organizational systems in which they are working in, management and evaluation of professional practice, and their own professional role development. Three hours small group tutorial on line and in person; one term. Six hours small group tutorial; seven weeks of one term.
Prerequisite(s): NURSING 4P04
Antirequisite(s): NURSING 4F03, 4Q04
Normally to be taken concurrently with NURSING 4K07 4K10, 4S06 OR 4T06. First offered in 2012-2013.

Rationale: As planning for the first delivery has proceeded, the model has evolved since it was first envisioned in 2009. Students will complete the course requirements in the first half of their final term, allowing them time
in the final half of their final term to complete the required 35 hours/week of professional practice in the concurrent N4K10. In the final class of this term, students will return for a final capstone day for their entire BScN Program.

COLLAB 3D03 ILLNESS NARRATIVES IN FICTION AND NON-FICTION
This seminar-based course will use fictional literature (poetry, short stories and excerpts from novels) as well as first-person accounts (writings of actual patients and health-care workers) to explore the psychological, emotional and relational aspects of patient experiences of such conditions as cancer, heart disease, disability, AIDS, mental illness and chronic pain conditions.
Three hours; one term
Prerequisite(s): Registration in Level 3 of the B.Sc.N. Basic (A) Stream or Post Diploma R.P.N. (E) Stream (Conestoga College site)

Rationale: One of the requirements of this course is that students bring examples from their clinical experience and discuss the narratives that come from that experience. Some very junior students signed up for the course (which is an upper year course) and had not had sufficient clinical experience to be able to complete this assignment and then found it difficult to be successful.

COLLAB 4H03 ISSUES IN GLOBAL HEALTH
An introduction to health issues in a rural Canadian and international context including theories of: development; political economy; medical and social anthropology; and Intercultural health care practice.
Three hours (lecture/problem based tutorial); one term
Prerequisite(s): HTH SCI 2RR3 or 3B03; and registration in Level III or IV of the B.Sc.N. Basic (A) Stream (Mohawk or Conestoga College Site) or Level III or IV of the B.Sc.N. Post Diploma R.P.N. (E) Stream (Mohawk or Conestoga College site) and permission of the instructor
Antirequisite(s): HTH SCI 4H03, NURSING 4H03

Rationale: Permission of the instructor is not required and limits to the number of students enrolling in the course can be controlled through course limits rather than requiring specific permission to take the course.

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BACHELOR OF HEALTH SCIENCES PHYSICIAN ASSISTANT PROGRAM

No Changes.

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