First Year – MCC

First Semester

PSY 101: Introductory Psychology (3 credits)
An introductory survey of the major concepts in the scientific study of human behavior, human development, motivation, learning, personality, individual differences and social behavior. Dual emphasis is placed upon understanding, integration, and application to real life as well as theoretical and methodological issues. (Three class hours)

BIO 142: Human Anatomy (4 credits)
The detailed study of the human organism at the tissue and organ system levels. The relationship between structure and function is covered with emphasis on structural relationships. Laboratory study includes microscope work along with substantial organ and animal dissection. The course is designed for students in Nursing, Radiologic Technology, and other health-related programs. Two class hours, one conference hour, three laboratory hours. 4 Credits.

NUR 110: Foundations of Nursing 1 (1 credit)
NUR 110 is a nonclinical course in which the foundation of professional nursing is examined through exploration of the healthcare delivery system, nursing roles, nursing origins, and the educational, legal, and ethical bases of practice. Future challenges for the nursing profession are introduced. One class hour. 1 Credit.

NUR 111: Fundamentals of Nursing 1 (7 credits)
NUR 111 focuses on the Basic Needs of the non-acute adult patient to provide quality, safe patient centered care for diverse populations. The MCC nursing program’s conceptual framework and the core competencies of Associate Degree Nursing practice: Professional Identity, Nursing Judgment, Human Flourishing, and Spirit of Inquiry, are introduced. Students use knowledge and science to begin to assess a patient’s ability to meet Basic Needs and to implement fundamental nursing interventions. Three class hours, two conference hours, six clinical laboratory hours. 7 Credits.

Prerequisites: Grade of C or better in high school chemistry, biology and either Sequential Math, Math A Regents or High School Algebra or MTH 098; corequisites: NUR 110, PSY 101 and BIO 142 unless previously taken.

MTH 160: Statistics (3 credits)
An introduction to descriptive and inferential statistics intended to give an understanding of statistical techniques and applications in a wide variety of disciplines. Topics include measures of central tendency; dispersion and position; correlation and regression; probability and probability distributions, including binomial and normal; the Central Limit Theorem; parameter estimation and hypothesis testing. Minitab statistical software is used. Three class hours. MTH 160 is an appropriate elective for most programs. (SUNY-M) 3 Credits.

Prerequisite(s): MTH 096 with a grade of B- or better, MTH 104 with a grade of C or better, or MCC level 8 mathematics placement.

Total 18 credits/10 A&S
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Second Semester

ENG 200: Advanced Composition (3 credits)
Course focuses on written analysis, oral discourse, evaluation, argument and research. Assignments develop depth and proficiency in using language. Basic composition skills are assumed. (Can be taken in place of ENG 101 to satisfy the composition requirement for graduation.) This course may not be taken concurrently with ENG 101. Three class hours. 3 credits

BIO 143: Human Physiology (4 credits)
An introduction to the major concepts of physiology as applied to the human organism. An integrated study of human physiology from the cellular to the system level with an emphasis on feedback systems. Laboratory work includes student and demonstration experiments designed to illustrate normal function and physiologic responses to specific stresses. The course is designed for students in Nursing and other health related programs. Three class hours and three laboratory hours. (SUNY-NS) 4 Credits.
Prerequisites: BIO 142 and one of the following: high school chemistry or CHE 100 or CHE 124 or permission of instructor.

PSY 212: Developmental Psychology- Lifespan (3 credits)
This course is an introduction to the foundations of human development across the lifespan. The course will describe the history and foundational knowledge related to the study of childhood, adolescence, and adulthood, examine the various theories of developmental psychology, and highlight current issues in the field. Three class hours. (SUNY-SS) 3 Credits.
Prerequisite: PSY 101.

NUR 112: Nursing Care of the Adult and Child- I (8 credits)
NUR 112 focuses on Basic Needs of adult and child patients using the Nursing Process to provide quality, safe patient centered care for diverse populations. Teamwork and collaboration are introduced and explored. Students use knowledge and science to manage, with assistance, the essential issues of patients with both acute and chronic conditions in several healthcare environments. One class hour, four conference hours, nine clinical laboratory hours. The core competencies of Associate Degree Nursing practice introduced in NUR 111 are expanded upon in clinical nursing practice. 8 Credits.

Total 18 credits/ 10 A&S

Second Year - MCC

Third Semester

SOC 101: Introduction to Sociology (3 credits)
A survey of the major concepts employed in the systematic study of human relationships, with emphasis on society, culture, social interaction, socialization, groups, bureaucracy, institutions,
collective behavior, social stratification, social control, social change and sociology as a field of knowledge. Three class hours. (SUNY-SS) 3 Credits.

**BIO 202: Microbiology** (4 credits)
A one term course for health professionals. A brief introduction to principles of general microbiology with major emphasis on control of microorganisms by physical and chemical processes. Medical microbiology including pathogenicity and epidemiology of infectious diseases, and immunology. Three class hours, two laboratory hours. 4 Credits.
Prerequisites: BIO 134 or BIO 143 or BIO 155 or permission of instructor

**NUR 211: Psychiatric Nursing** (4 credits)
NUR 211 focuses on the Basic Needs of patients with psychiatric/mental health problems using the Nursing Process to provide quality, safe patient centered care for diverse populations through teamwork and collaboration. Students use knowledge and science to manage the issues of patients with acute and chronic psychiatric conditions in a variety of healthcare environments. Two class hours, three conference hours, nine clinical laboratory hours. The core competencies of Associate Degree Nursing practice expanded upon in NUR 112 are applied to this patient population. 4 Credits.
Prerequisites: NUR 112 with a minimum grade of C, BIO 143 with a minimum grade of C, PSY 212 and ENG 101; corequisites: NUR 210, BIO 202 and SOC 101, unless previously taken.

**NUR 212: Maternity Nursing** (4 credits)
NUR 212 focuses on the basic needs of maternal and neonatal patients, using the Nursing Process to provide quality, safe, patient centered care for diverse populations through teamwork and collaboration. Students use knowledge and science to manage maternal and neonatal considerations in the acute care setting. Two class hours, three conference hours, nine clinical laboratory hours. The core competencies of Associate Degree Nursing practice expanded upon in NUR 112 are applied to this patient population. 4 Credits.
Prerequisites: NUR 112 with a minimum grade of C, BIO 143 with a minimum grade of C, PSY 212 and ENG 101; corequisites: NUR 210, BIO 202, SOC 101, unless previously taken.

**NUR 210: Issues in Nursing** (1 credit)
NUR 210 is a nonclinical course in which issues of professional nursing are critically examined through exploration of current themes including quality and safety initiatives, leadership and management practices, licensure and legal implications, employment matters and professional responsibility. One class hour. 1 Credit.
Prerequisites: NUR 110 and NUR 112 with a minimum grade of C.

Total 16 credits/ 7 A&S

**Fourth Semester**

**NUR 214: Nursing Care of the Adult and Child- II** (8 credits)
NUR 214 focuses on Basic Needs of adult and child patients using the Nursing Process to provide quality, safe patient centered care for diverse populations through teamwork and collaboration.
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Students use knowledge and science to manage the complex issues of patients with both acute and chronic conditions in a variety of healthcare environments. One class hour, four conference hours, nine clinical hours. The core competencies of Associate Degree Nursing practice are integrated into clinical nursing practice. 8 Credits.

Prerequisites: SOC 101, BIO 202 with a minimum grade of C, NUR 210, 211, 212 with a minimum grade of C; corequisites: 6 credits general electives, 2 credits Physical/Health Education, unless previously completed.

Physical/Health Education (1 credit)

Free electives (non-nursing): two 3-credit courses*

Total 15 credits/ 6 A&S

Third Year – MCC

First Semester

CHE 124: General, Organic, and Biochemistry  (4 credits)
This course is an introduction to the principles of general, organic, and biological chemistry that are relevant to students interested in a health related profession. A strong knowledge base of general chemistry is necessary in order for the student to be successful in CHE 124. See prerequisites below. Students are expected to be familiar with concepts such as: significant figures, dimensional analysis, ionic compounds, molecular geometry, polarity, the mole concept, and stoichiometry prior to taking CHE 124. Topics for CHE 124 include: measurement; dimensional analysis; chemical compounds and their bonds; redox reactions and energetics of chemical reactions; gases; solutions; acids and bases; nuclear chemistry; structural formulas, chemical and physical properties of organic compounds, carbohydrates, lipids, proteins, and metabolism. This is a Natural Science course. Three class hours, three laboratory hours. (SUNY-NS) 4 Credits.

[Please note that, although this chemistry course is preferred, any other natural science is acceptable, e.g., General Ecology (BIO 260), Vertebrate Zoology (BIO 265), Geology (GEO 101)]

Humanities electives: two 3-credit courses**

Free electives (non-nursing): two 3-credit courses*

Total 16 credits/ 16 A&S

Second Semester

Free electives (non-nursing): four 3-credit courses

Total 12 credits/ 12 A&S
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Total MCC A&S credits=61
Total computed UR A&S credits=65

Automatically granted 32 UR credits for completion of accredited associate degree program, upon matriculation in the School of Nursing. RN licensure is necessary before beginning fourth year courses.

Fourth Year – UR SON
(core courses are primarily online)

**Semester One (fall)**
NUR 351 RN/BS Transition: Reflective Professional Practice (4 credits)
NUR 301 Principles and Application of Evidence for Nursing Practice (3 credits)

**Semester Two (spring)**
NUR 354 Concepts of Leadership and Management (4 credits)
NUR 364 Biopsychosocial Health Assessment (3 credits)

**Semester Three (summer)**
NUR 355 Contexts of Health Care (3 credits)
NUR 319 Pharmacology/Pathophysiology (4 credits)

**Semester Four (fall)**
NUR 356 Population Health (5 credits)
NUR 357 RN/BS Capstone (2 credits)
Nursing Elective (4 credits)

Total credits at UR School of Nursing- 32

Grand total for graduation = 128 credits
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* Needs to be a college-level course, approved by the UR School of Nursing. If there are any questions, please call the Office of Student Affairs at 275-2375.

** Humanities courses must be in any of the following areas: English, Fine Arts (art, music, dance), Language (including sign language), Philosophy (including ethics), Religion, History