APN 101  Anatomy and Physiology I ................................................. 3.0 quarter credits
APN 101L  Anatomy and Physiology I Lab ........................................... 0.6 quarter credits
This course is the first of a three course sequence. It introduces chemistry, cell tissues and the integument, skeletal and muscular systems. Includes lecture discussions complemented by laboratories involving microscopy, animal dissection, physiological exercises and computer based exercises. This course will begin with an introduction of the levels of organization and general plan of the body. The focus will then turn to individual body systems. Upon completion, students should be able to demonstrate an in-depth understanding of principles of anatomy and physiology and their interrelationships.

APN 102  Anatomy and Physiology II ................................................... 3.0 quarter credits
APN 102L  Anatomy and Physiology II Lab .......................................... 0.6 quarter credits
Building on Anatomy and Physiology I, this course examines major parts of the body and how they work independently as well as together. The course is a continuation of the study of the structure and function of the human body and the mechanisms for maintaining homeostasis within it. The endocrine, lymphatic, cardiovascular, and nervous system along with blood and blood vessels and circulation are included. The laboratory experiences serves to enhance the topics covered in lectures. The student will be able to apply the information provided by this course to analyze and explain new situations involving the human body in future courses.

APN 103  Anatomy and Physiology III ................................................. 3.0 quarter credits
APN 103L  Anatomy and Physiology III Lab ......................................... 0.6 quarter credits
This course is the last in a three course sequence. The course is a continuation of the study of the structure and function of the human body and the mechanisms for maintaining homeostasis within it. The Respiratory, digestive, urinary, and reproductive systems along with development, heredity and aging are included.

BIO 101  Introduction to Microbiology .................................................. 3.6 quarter credits
BIO 101L  Introduction to Microbiology Virtual Lab .................................. 0.6 quarter credits
This course, provides the student with a basic understanding of microbiology through the study of the microscopic world, organisms and pathogens, specifically bacteria, viruses, fungi, protozoan, and helminthes. In addition, this course provides the student with a basic understanding of the effects of the pathogen on normal human tissue including the most common diseases caused by the specific pathogen and the usual signs and symptoms produced in the host. The characteristics of the microorganisms and the etiology and control of infections are also presented.

CMP 101  English Composition ............................................................. 4.0 quarter credits
This course is designed to expand the student’s abilities in written communications. Principles of composition are developed through writing and revising various types of communications. Emphasis is placed on construction and composition, including word usage, grammar, and sentence analysis.
GNP 201  Graduate Nursing Preparation ................. Pass/Fail course
This course was developed to help candidates prepare to take the NCLEX-RN examination. The course provides both comprehensive content review and NCLEX questions for practice. This course reviews the standard curriculum for the nursing programs including universal principles of nursing care management, maternal child and pediatric nursing, psychiatric and mental health nursing, as well as pharmacology, adult health and critical care. It includes a review of the structure and scoring of the NCLEX-RN, as well as suggestions for preparation and test taking strategies. Students will be provided the opportunity to assess the level of preparedness for the national examination. The current test plan for the NCLEX-Registered Nurse exam will guide the presentation of specific course content. An assessment of individual strength and weaknesses of nursing knowledge through diagnostic tools can be constructed and a plan for areas of needed growth can be formulated.

HGD 201  Human Growth & Development ............... 2.4 quarter credits
Human growth and development addresses the knowledge, skills, attitudes, and behaviors associated with supporting and promoting optimal growth and development from conception to death. The course explores the different stages of human life- prenatal, infancy, childhood, adolescence, adulthood- and the biological, psychological and social changes occurring in individuals during them. Topics include: human needs across the ages, stages of childhood, the impact of family and societal crisis on the development of the individual, the normal developmental crisis of aging, puberty, career decisions, marriage, parenthood, loss and death as well as others. The course provides the student with a basic understanding of the person as a biological, psychological, and sociological being. It is imperative that professionals in the medical occupations understand the concepts of development throughout the life span. Application of the principles of safe and effective care is guided by the understanding of normal and expected development milestones at different stages throughout the person’s life. There will be an emphasis on understanding people at various ages of development in order to be more patient with them and to interact with them more effectively. The course is especially well suited for individuals interested in pursuing careers in the helping, healthcare, and education professions.

MHP 101  Math for Health Professionals ............... 2.4 quarter credits
This course is designed to enable students planning careers in health professions to become familiar, confident, and proficient with the arithmetic, mathematical reasoning, and related terminology frequently encountered in health-related fields. This course addresses the practical application of mathematics needed for accurate medication administration and prepares the student with the mathematical skills required for the basic computing functions of various health occupations. It is designed to teach the health care professional student, mathematics needed to calculate medication doses for oral and parenteral medications. An intense focus on safe medication administration across the lifespan is incorporated throughout the course providing instruction in dosage calculation using ratio to proportion as well as other means of calculation related to medication. Topics include; interpretation of drug labels, syringe types, conversions, roman numerals, reconstitution and apothecaries, mixing medications, IV flow rates, drip rates, interpretation of physician orders and transcribing to Medication Administration Records and proper documentation of medications as well as the Six Rights of Medication administration and military time.
This course, as a companion course to Fundamentals of Nursing II, will provide the beginning nursing student with a basic understanding of the study of nursing through the discussion of the WVJC nursing philosophy and core concepts of person, health, nursing, nursing process, environment, and teaching and learning. This course provides opportunities to develop competencies necessary to meet the needs of individuals throughout the lifespan in a safe, legal, and ethical manner using the nursing process. Students learn concepts and theories basic to the art and science of nursing. The role of the nurse as a member of the health care team is emphasized. Students are introduced to the concepts of client needs, safety, communication, teaching/learning, critical thinking, ethical-legal, cultural diversity, nursing history, and the program’s philosophy of nursing. Additionally, this course introduces psychomotor nursing skills needed to assist individuals in meeting basic human needs. Skills necessary for maintaining microbial, physical, and psychological safety are introduced along with skills needed in therapeutic interventions. At the conclusion of this course, the student should demonstrate competency in performing basic nursing skills for individuals with common health alterations.

This course, as a companion course to Fundamentals of Nursing I, will provide the beginning nursing student with a basic understanding of the study of nursing through the continued discussion of the core characteristics of caring empathy, clinical judgment, therapeutic communication, acceptance of diversity, interpreter and provider of learning and lifelong learning. This course provides opportunities to develop competencies necessary to meet the needs of individuals throughout the lifespan in a safe, legal, and ethical manner using the nursing process. The role of the nurse as a member of the health care team is emphasized. In addition, the course content includes the discussion and application of nursing care through the assessment of systems including cardiovascular, respiratory, gastrointestinal, genitourinary, endocrine, and fluid and electrolytes. The skills are related to the individual systems and include but are not limited to the following: assessment of the specific systems, intravenous therapy, oxygen therapy, nutrition and digestion, feeding, elimination, specimen collection, documentation, and the nursing care planning related to the care. At the conclusion of this course, the student should demonstrate competency in performing basic nursing skills for individuals with common health alterations. This is the first course that includes a clinical experience that offers opportunities to apply the basic principles and skills of nursing practice in a clinical setting.

This course in women’s health nursing will provide the nursing student with a basic understanding of the study of nursing through the discussion of the WVJC nursing philosophy and core characteristics of caring empathy, clinical judgment, therapeutic communication, acceptance of diversity, interpreter and provider of learning and lifelong learning as they relate to women’s health nursing care. The course provides a foundation of nursing knowledge in the care of women
in all phases of the perinatal period. Course content will incorporate the growth and development of the fetus and the needs of the mother for health teaching and nutritional care during the entire childbearing experience. Emphasis is placed on the nursing aspects of care for the mother and her infant within the family context. Health problems, ethical and contemporary issues related to pregnancy and selected high-risk situations will be addressed. Maternal-infant interaction and family bonding will be emphasized. Continuity of care is stressed as the mother and child return to the home and the community.

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<tr>
<td>NUR 203</td>
<td>Child Health Nursing</td>
<td>2.4 credits</td>
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<tr>
<td>NUR 203L</td>
<td>Child Health Nursing Lab</td>
<td>0.3 credits</td>
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<tr>
<td>NUR 203C</td>
<td>Child Health Nursing Clinical</td>
<td>1.6 credits</td>
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This course in pediatric nursing will provide the nursing student with a basic understanding of the study of nursing through the discussion of the WVJC nursing philosophy and core characteristics of caring empathy, clinical judgment, therapeutic communication, acceptance of diversity, interpreter and provider of learning and lifelong learning as they relate to nursing care of the pediatric child and their family. Child health nursing focuses on assessment and management of well, acutely and chronically ill, and special needs children and their families. The effect the child's illness has on the family is emphasized. In addition to health promotion and maintenance and a safe effective care environment, the course content includes the discussion of alterations in health across the lifespan including human growth and development, family dynamics, and psychosocial and physiological aspects of the family. Principles of nutrition, pharmacology, and ethics are reinforced and expanded.

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<tr>
<td>NUR 103</td>
<td>Nursing Care of the Client I</td>
<td>2.4 credits</td>
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<tr>
<td>NUR 103C</td>
<td>Nursing Care of the Client I Clinical</td>
<td>1.6 credits</td>
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This course will assist the student in developing an understanding of the study of nursing through the discussion of the WVJC nursing philosophy and core characteristics of caring empathy, clinical judgment, therapeutic communication, acceptance of diversity, interpreter and provider of learning and lifelong learning as they relate to alterations and nursing needs of older adults. This course prepares the student with the knowledge of basic client needs and provides opportunity to apply the knowledge and skills required to administer nursing care to older adults in a variety of environments. The nursing process provides the basic organizational framework for determining the client’s needs and providing the appropriate nursing care. In addition to health promotion and maintenance and provision of a safe effective care environment, the course content includes the discussion of alterations in health, both physical and psychosocial health, of the older adult. Students will care for clients in both medical surgical units in both acute and long term care as available.

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<tr>
<td>NUR 104</td>
<td>Nursing Care of the Client II</td>
<td>3.0 credits</td>
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<tr>
<td>NUR 104C</td>
<td>Nursing Care of the Client II Clinical</td>
<td>1.6 credits</td>
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This course is the first course in the serious of three medical-surgical nursing courses. This course utilizes the application of the nursing process to care for adults experiencing medical-surgical conditions in the health care illness continuum. This course will provide the nursing student with a basic understanding of the study of nursing through the discussion of the WVJC nursing philosophy and core characteristics of caring empathy, clinical judgment, therapeutic
communication, acceptance of diversity, interpreter and provider of learning and lifelong learning as they relate to alterations in homeostasis and oxygenation. This course covers physiology and basic pathophysiology, causes of illness, care of the surgical client and disorders of the respiratory, cardiovascular and musculoskeletal systems. The role of the Associate Degree Nurse in preventative health measures, health promotion, referral to community health resources, patient/family education, therapeutic and rehabilitative aspects will be presented. Discussion/projects for ethical issues and critical thinking are incorporated in the course. The nursing process provides the basic organizational framework for determining the client's needs and providing the appropriate nursing care. Clinical experiences provide opportunities for students to apply theory in the medical-surgical units of acute care hospitals.

NUR 201 Nursing Care of the Client III ........................................ 3.0 quarter credits
NUR 202C Nursing Care of the Client III Clinical .......................... 3.2 quarter credits
This course, as the second medical/surgical course and the first Level II nursing course, will provide the nursing student with an understanding of the study of nursing through the discussion of the WVJC nursing philosophy and core characteristics of caring empathy, clinical judgment, therapeutic communication, acceptance of diversity, interpreter and provider of learning and lifelong learning as they relate to alterations in homeostasis including but not limited to client needs for ingestion, digestion, absorption, metabolism, elimination, fluid balance, hormonal secretion and renal system impairment. The role of the Associate Degree Nurse in preventative health measures, health promotion, referral to community health resources, patient/family education, therapeutic and rehabilitative aspects will be presented. Discussion/projects for ethical issues and critical thinking are incorporated in the course. The nursing process provides the basic organizational framework for determining the client's needs and providing the appropriate nursing care. Clinical experiences provide opportunities for students to apply theory in the medical-surgical units of acute care hospitals.

NUR 204 Nursing Care of the Client IV ........................................ 3.0 quarter credits
NUR 204C Nursing Care of the Client IV Clinical .......................... 3.2 quarter credits
This course, as the third medical/surgical course, will provide the nursing student with an understanding of the study of nursing through the discussion of the WVJC nursing philosophy and core characteristics of caring empathy, clinical judgment, therapeutic communication, acceptance of diversity, interpreter and provider of learning and lifelong learning as they relate to select sensory alterations, neurological impairments, immune, reproductive and malignant disorders. The role of the nurse in environmental emergencies and disaster preparedness will also be discussed as well as, the role of the nurse in preventative health measures, health promotion, referral to community health resources, patient/family education, therapeutic and rehabilitative aspects. Discussion/projects for ethical issues and critical thinking are incorporated in the course. The nursing process provides the basic organizational framework for determining the client's needs and providing the appropriate nursing care. Clinical experiences provide opportunities for students to apply theory in the medical-surgical units of acute care hospitals.

NUR 205 Nursing Care of the Client V ........................................ 3.0 quarter credits
NUR 205C Nursing Care of the Client V Clinical .......................... 3.2 quarter credits
This course provides the student with knowledge, skills and experiences related to Psychiatric-Mental health nursing, as an opportunity to apply previously learned behavioral and scientific
concepts. This course will provide the nursing student an understanding of the study of nursing through the discussion of the WVJC nursing philosophy and core characteristics of caring empathy, clinical judgment, therapeutic communication, acceptance of diversity, interpreter and provider of learning and lifelong learning as they relate to alterations in physiological, psychosocial, and spiritual needs of the person. This course provides students with didactic and clinical learning experiences utilizing the nursing process as a means of providing care to individuals, families and groups experiencing maladaptive alterations in mental health. Psychopathology of mental disorders is reviewed. Application of the nursing process within a multidisciplinary team approach is highlighted. Emphasis is on the therapeutic use of self with individuals, families, and groups in an acute psychiatric care setting. The course prepares students to communicate professionally in the health care environment. It exposes students to maladaptive behaviors as they relate to safe, competent nursing skills. A holistic approach, which combines medical nursing and mental health nursing, will enable students to develop roles as a communicator in the therapeutic nurse-client relationship, advocate for client’s rights and caregiver.

NUR 206 Critical Care Nursing .......................... 2.4 quarter credits
NUR 206L Critical Care Nursing Lab ..................... 0.3 quarter credits
NUR 206C Critical Care Nursing Clinical ............... 1.6 quarter credits

The course introduces complex health problems associated with critical care to the student. The course offers a continuing learning experience designed to further the students’ ability in the application of the nursing process. The emphasis is placed on the assessment and care of clients with complex, life-threatening illnesses. Building on nursing concepts and sciences, students examine the pathophysiological changes involved with but not limited to hemodynamic monitoring, congestive heart failure, cardiac surgery, shock, respiratory failure and increased intracranial pressure and triage in the intensive care unit, emergency department or operating room. The course will also address ethical, moral, and legal issues as well as specific considerations for various procedures and specialty services encountered in the critical environment. The role of the nurse as a caregiver and as a member of the health care team is emphasized. This course will provide the student with basic knowledge and clinical skills necessary to function independently in an entry level critical care nursing position.

NUR 207 Community Nursing .............................. 1.8 quarter credits
NUR 207L Community Nursing Lab ..................... 0.3 quarter credits

This course in community nursing provides the nursing students with an understanding of the study of nursing through the discussion of the WVJC nursing philosophy and core characteristics of caring empathy, clinical judgment, therapeutic communication, acceptance of diversity, interpreter and provider of learning and lifelong learning as they relate to the role of the nurse within the community setting. Emphasis is placed on increasing the students’ self-awareness, communicating effectively, and meeting the community health needs of families and groups. Students conduct in-depth community and family health assessments employing basic epidemiological principles and data collection strategies. The nursing process is utilized by students engaging in health promotion and maintenance strategies in a variety of community health settings. Principles, theories and concepts of community health nursing are utilized to generate an understanding of the roles and functions of community health nurses. This course is designed to
encourage the critical thinking and knowledge to perform competently in community health nursing.

NUR 208  Professional Development & Leadership in Nursing ............  2.4 quarter credits
NUR 208C  Professional Development & Leadership in Nursing
Preceptorship ..................................................  4.8 quarter credits

This course will provide the nursing student with a basic understanding of the study of nursing through the discussion of the WVJC nursing philosophy and core characteristics of caring empathy, clinical judgment, therapeutic communication, acceptance of diversity, interpreter and provider of learning and lifelong learning as they relate to the role of the nurse as leader and as a professional team member. An exploration of leadership and management theories and principles and their application to the nursing practice in the provision of health care is presented. Student development in the roles of problem solver, change agent and leader are emphasized. Competencies necessary to succeed in a nursing leadership role in complex organizations are analyzed and applied to clinical scenarios. Students utilize self-reflection to assess their own leadership potential and apply concepts through discussions and class assignments. A preceptorship enables them to observe a nurse in an established leadership role and participate in a performance improvement project. In addition to health promotion and maintenance and provision of a safe effective care environment, the course content includes the discussion of moral, ethical and legal issues surrounding the profession of nursing, the person, family, and community and the transition from student to professional nurse.

NUT 201  Nutrition and Diet Therapy .............................................  2.4 quarter credits

This course will provide the student with a basic understanding of the study of nutrition from a nursing perspective. This course is an introduction to nutrition that examines the nutrients essential to human life. The metabolic action, requirements, and food sources of the nutrients are studied. Needs and behavior patterns in children and adults are used to illustrate the relationship between diet and health. Principles of normal nutrition at all stages of the life cycle are emphasized. Growth and development needs are incorporated into the maintenance and restoration of nutritional health and in the prevention of nutritional deficit. Exploration is conducted in the social, religious, and cultural factors which affect the family's nutritional health, thus introducing the nursing students to the interrelationships among nutrition, food and the environment as they impact health status

PHN 101  Pharmacology I ..........................................................  1.8 quarter credits
PHN 101L  Pharmacology I Lab ..................................................  0.3 quarter credits

This course is the first in a sequence of two courses that will provide the nursing student with a basic understanding of the study of pharmacology from a nursing perspective. Furthermore, the course is an introduction to pharmacology in the practice of nursing that incorporates the legal, cultural, psychological, professional, and ethical aspects of medication administration to clients across the lifespan. Nursing process guidelines and client education programs will be delineated and integrated throughout the course. Specific content will include, but may not be limited to, drug calculations, classifications, dosages, legal aspects of administration and preparation, uses, actions, and side effects of selected drugs in each classification, and client teaching including self-administration of medications. Specific nursing responsibilities related to drug administration are emphasized.
PHN102  Pharmacology II ...................................................... 2.4 quarter credits
Continuing from Pharmacology I, this course expands a student’s knowledge of how drugs interact with several major body systems, including the cardiovascular, urinary, respiratory, gastrointestinal, endocrine and reproductive systems. This course continues to provide the theoretical background that enables students to provide safe and effective nursing care related to administration of medications to persons throughout the lifespan. Students will learn to make selected clinical decisions using current, reliable sources of information, monitoring and evaluating the effectiveness of drug therapy, teaching persons from diverse populations regarding safe and effective use of drugs, intervening to increase therapeutic benefits and reduce potential negative effects, and communicating appropriately with other health professionals regarding drug therapy.

PSY 201  Psychology .............................................................. 4.0 quarter credits
Students will explore basic psychological principles and will learn terminology and concepts that psychologists use to explain behavior and mental processes. This course applies the study of psychology to real-life situations such as work, school, relationships, and personal well-being.

SSS 101  Student Success Strategies for Pre-Nursing .................... Pass/Fail Course
Student Success is a comprehensive course designed to enhance student success and retention as well as help the student have greater success in achieving a career in nursing. In this course, students will learn strategies for creating greater academic, professional and personal success. This course emphasizes basic learning principles with a focus on time management, setting learning goals, learning strategies, test preparation, and use of computers in nursing. This course is designed to assist the student in understanding his/her learning style and putting that information into practical use. This course may include selected topics as career planning, study skills, stress management, tutoring, group guidance and other subjects to facilitate student success.