



Bachelor of Science in Nursing

Program Outline

This is a standard four-year, 142-credit bachelor program that incorporates a variety of theoretical, practical, and clinical learning experiences. It is designed for high school graduates. The curriculum is designed to prepare students for working with individuals and families and collaborate with interprofessional teams within the growing and changing healthcare environment. In addition to patient and population care skills, graduates are expected to develop a number of soft skills, including communication, critical thinking, research, and leadership and management. The language of instruction in the program is English. The first two years of the program focus on providing the foundation for professional nursing education. This includes courses in behavioral sciences, scientific English language, Islamic ethics, communication skills, biological and nursing sciences, and computer sciences. The last two years of the program focuses on the nursing sciences. This is where students acquire knowledge, attitude, and skills necessary to provide care for acute, chronic, and complex health problems of individuals, families, and community.

First Semester

Year 1						
Semester 1						
Course Title	Course Code	Credit Hours			Total Credit Hours per Course	Total Credit Hours per Semester
		Lecture	Lab	Clinical		
English I	ENGL121	3	1	0	4	17
Anatomy and Physiology I	ANPH111	3	1	0	4	
Biochemistry	BIOC110	2	0	0	2	
Study Skills	STSK110	1	0	0	1	
Introduction to the Nursing Profession	NUPRI10	3	0	0	3	
Computer Science for Future Nurses	COMP120	1	2	0	3	

Second Semester

Year 1						
Semester 2						
Course Title	Course Code	Credit Hours			Total Credit Hours per Course	Total Credit Hours per Semester
		Lecture	Lab	Clinical		
English II	ENGL122	3	1	0	4	17
Anatomy and Physiology II	ANPH112	3	1	0	4	
Growth and Development	GDLS110	2	1	0	3	

through the Life Span					
Basic Communication Skills	COMM110	1	0	0	1
Behavioral Sciences	BEHS110	3	0	0	3
Islamic Ethics and Human Rights	ISHR110	2	0	0	2

Third Semester

Year 2						
Semester 1						
Course Title	Course Code	Credit Hours			Total Credit Hours per Course	Total Credit Hours per Semester
		Lecture	Lab	Clinical		
Pathophysiology	PAPH210	2	1	0	3	18
Microbiology and Immunology	MIIM210	2	1	0	3	
Infection Control and Patient Safety	ICPS210	2	0	0	2	
Introduction to Epidemiology	EPID210	1	1	0	2	
Foundations of Nursing Practice	FNUP210	1	0	2	3	
Health Assessment	HEAS210	2	0	3	5	

Forth Semester

Year 2						
Semester 2						
Course Title	Course Code	Credit Hours			Total Credit Hours per Course	Total Credit Hours per Semester
		Lecture	Lab	Clinical		
Pharmacology	PHRM210	2	1	0	3	18
Clinical Nutrition	CLNU210	2	0	0	2	
Medical/Surgical Nursing I	MSNU211	2	0	3	5	
Leadership and Management for Nurses	LMNU210	2	0	0	2	
Health Promotion	HEPR210	2	0	1	3	
Research for Nurses	RESN210	2	1	0	3	

Fifth Semester

Year 3						
Semester 1						
Course Title	Course Code	Credit Hours			Total Credit Hours per Course	Total Credit Hours per Semester
		Lecture	Lab	Clinical		
Professional Communication Skills	PCSK310	2	0	1	3	18
Maternal Health	MAHE310	2	0	3	5	
Infant, Child, and Adolescent Health	ICAH310	3	0	3	6	
Mental Health	MENH310	2	0	2	4	

Sixth Semester

Year 3						
Semester 2						
Course Title	Course Code	Credit Hours			Total Credit Hours per Course	Total Credit Hours per Semester
		Lecture	Lab	Clinical		
Community Health Nursing	CHNU310	2	0	2	4	18
Medical/Surgical Nursing II	MSNU312	2	0	3	5	
Elderly Health	ELDH310	2	0	2	4	
Nursing Informatics	NINF310	2	1	0	3	
Elective*					2	

Seventh Semester

Year 4						
Semester 1						
Course Title	Course Code	Credit Hours			Total Credit Hours per Course	Total Credit Hours per Semester
		Lecture	Lab	Clinical		
Critical Care Nursing (NICU, CCU, ICU)	CCNU410	2	0	6	8	18
Integrative Practicum I	INTP411	2	0	6	8	
Clinical Elective*					2	

* List of clinical elective courses (students need to select one):

- End-of-Life Care (EOLC410)- Advanced Clinical Nutrition (ACLN410)
- Pain Management (PAMG410) - Diabetes Care (DMCA410)

Eighth Semester

Year 4						
Semester 2						
Course Title	Course Code	Credit Hours			Total Credit Hours per Course	Total Credit Hours per Semester
		Lecture	Lab	Clinical		
Emergency Nursing	EMRN410	2	0	6	8	18
Integrative Practicum II	INTP412	2	0	6	8	
Preparation for Nursing Practice	PNUP410	2	0	0	2	

Course Descriptions

1. **ENGL121 English I:** This course is designed to develop the English language skills of nursing students. The course will enable the students to read a variety of nursing-related texts, including journal articles, textbooks, and patient records. Throughout the course, students will develop their writing skills by writing essays, summaries, and case studies. Also they will be able to review and strengthen their grammar skills and expand their vocabulary by learning new medical terms. Students will be able to develop their communication skills by practicing oral and written presentations.
2. **ANPH111 Anatomy and Physiology I:** This is a foundational course specifically designed for nursing students. This course provides a comprehensive understanding of the structure and function of the human body systems, laying the groundwork for further study in nursing practice. Students will focus on the integumentary, skeletal, muscular, nervous, and special senses systems. Throughout the course, students will examine the organization and interrelationships of these

body systems, emphasizing the anatomical structures, their functions, and the mechanisms that maintain homeostasis. Major anatomical landmarks, bones, muscles, nerves, and sensory organs will be studied in detail, exploring their roles in overall health and functioning.

3. BIOC110 Biochemistry: This course is designed to provide nursing students with a solid foundation in biochemistry and its application in the field of nursing. The course aims to equip students with the necessary knowledge and skills to understand the biochemical processes that occur within the human body and their relevance to patient care. Throughout the course, students will explore the fundamental principles of biochemistry, including the structure and function of biomolecules such as proteins, carbohydrates, lipids, and nucleic acids. Emphasis will be placed on understanding the role of these biomolecules in cellular processes, metabolism, and energy production. The course will discuss the biochemical pathways involved in the metabolism of nutrients and the synthesis and breakdown of biomolecules. Students will gain an in-depth understanding of concepts such as enzyme kinetics, cellular respiration, and the regulation of biochemical reactions.

4. STSK110 Study Skills: This course provides a thorough background of the fundamental principles of learning and developing student-centered instructional strategies. It addresses the different teaching-learning approaches to achieve a wide range of instructional objectives. Participants will be exposed to the steps of educational planning, selecting and organizing learning activities, and employing various evaluation methods to measure student progress effectively.

5. NUPR110 Introduction to Nursing Profession: This introductory course provides new nursing students with a comprehensive overview of the history, nature, and roles of nursing. It is designed to equip students with the fundamental knowledge and positive attitudes necessary for success in their nursing education and future careers. The course covers essential concepts such as the concept of health, the nursing process, and healthcare delivery. Additionally, it emphasizes the development of critical thinking and decision-making skills, which are crucial for safe and competent nursing practice. Students will also gain an understanding of the nurse's role in maintaining, promoting, and restoring health, as well as preventing illnesses across the lifespan.

6. COMP 120 Computer Science for Future Nurses: This course introduces students to computer hardware, software, network, internet, computer security, and the most famous applications. Also ins and outs of working with word processing software will be introduced. It explains how to perform everyday tasks, learning the essentials for creating a wide variety of documents, working with tools to input and edit text, making documents more attractive, and organizing information with tables and outlines.

7. **ENGL122 English II:** This course is designed to build upon the English language skills developed in English I and further enhance the communication and academic writing skills of nursing students. The course will focus on enabling students to critically analyze and interpret a variety of nursing-related texts, including research articles, clinical guidelines, and patient education materials. At this level, students will be encouraged to strengthen their academic writing skills by composing literature reviews, and persuasive essays. Students will be guided to develop their professional communication skills by practicing presentations, writing formal emails, and engaging in effective interpersonal communication within the nursing context.

8. **ANPH112 Anatomy and Physiology II:** This course is a continuation of the comprehensive course designed for nursing students, building upon the knowledge gained in Anatomy and Physiology I. This course focuses on the cardiovascular, respiratory, digestive, urinary, endocrine, and reproductive systems. Students will explore the anatomical structure, physiological functions, and interrelationships of these systems. The course emphasizes the mechanisms involved in maintaining homeostasis within each system and their contributions to overall health. It also covers the integration of multiple body systems and their coordinated responses to various stimuli.

9. **GDLS110 Growth and Development through the Life Span:** This course focuses on the study of human development from infancy to late adulthood, exploring physical, cognitive, emotional, and social changes that occur throughout the life span. Students will examine theories, milestones, and factors influencing growth and development at each stage. The course emphasizes the role of nurses in promoting optimal development, addressing developmental challenges, and providing age-appropriate care.

10. **COMM110 Basic Communication Skills:** This course provides the basics of effective communication including the use of verbal and non-verbal communication. It focuses on communication concepts and styles in a variety of contexts to prepare the students for learning effectively and the future interaction with patients and their families. Special emphasis is placed on dynamics of group functioning and means of communicating effectively within groups. Exercises and simulations on communication problems will be provided in class to enhance students' achievement of the course objectives.

11. **BEHS110 Behavioral Science:** This course provides a study of humankind and their relationship to their environment and the nature of social groups, such as the family, race, class, religion, and civilization. It affects and is affected by economics, politics, anthropology, psychology, culture, ethnicity, and a myriad of other public and private arenas. Also, this course will help the learner understand why people

think and act the way they do. As well, the course will provide insights into one's personal attitude and response to everyday situation and interactions.

12. ISHR110 Islamic Ethics and Human Rights: This course includes a definition of the concept of ethics and profession in Islam, the values that are considered in it, with a presentation of the historical aspect of the application of these ethics in Islamic civilization, and its study in the systems of the GCC region. Within the course, students will be familiar with the legal and regulatory controls of provision of care. This course will also expose students to human rights from the Islamic perspective. Students will be guided to reflect on the difference and similarities of the Islamic perspective of human rights concepts stipulated in relevant international organizations.

13. PAPH210 Pathophysiology: This course will provide develop an in-depth understanding of the underlying mechanisms of diseases and disorders. This course explores the altered physiological processes that occur in the human body as a result of illness or injury. Students will study the pathogenesis, clinical manifestations, and complications of various diseases across multiple body systems. Emphasis is placed on the relationship between pathophysiology and nursing practice, including assessment, diagnosis, and intervention.

14. MIIM210 Microbiology and Immunology: This course provides an overview of the basic principles of microbiology and immunology with a focus on their relevance to nursing practice. The course will cover the structure, classification and identification of common microorganisms. It will also expose nursing students to the mechanisms of microbial pathogenesis with emphasis on prevention and treatment of infectious diseases. Students will be able to describe the structure and function of the immune system and the various immune responses of the human body.

15. ICPS210 Infection Control and Patient Safety: This comprehensive course equips students with the essential knowledge, skills, and attitudes required to implement fundamental infection control measures across various prevention levels in healthcare settings. Learners will gain a thorough understanding of susceptibility factors and the chain of infection, enabling them to effectively prevent the spread of disease. The course delves into infection control strategies, policies, and procedures, emphasizing disinfection techniques, sterilization, medical and surgical asepsis, and universal precautions. Recognizing the importance of a clean and healthy environment, the course imparts the skills necessary to safeguard against various illnesses. With a focus on antimicrobial management methods and aseptic procedures in healthcare settings, this training empowers nurses to foster a patient safety culture within their workplace, aligning with their crucial role in patient safety-related practices.

16. EPID210 Introduction to Epidemiology: Epidemiology is a vital course designed for nursing students to understand the principles and methods of studying the distribution and determinants of health-related events in populations. This course explores the patterns, causes, and prevention of diseases and injuries within communities. Students will examine the concepts of incidence, prevalence, and risk factors, as well as the design and interpretation of epidemiological studies. Emphasis is placed on the application of epidemiological principles in nursing practice, including disease surveillance, outbreak investigation, and the development of evidence-based interventions.

17. FNUP210 Foundations of Nursing Practice: This course is designed to provide the student with the basic knowledge and positive attitudes related to the individual's physiological, psychological, and social needs according to the functional health patterns. Students will be able to assess, plan, implement, and evaluate nursing strategies in order to meet client's needs using nursing process as a framework. This course includes vital signs, health and basic health-illness concepts such as pain and stress. It also includes concepts on spirituality that affects greatly how the patient reacts and responds to disease. The student will build the foundation of safe nursing practice to care for the patients that requires surgical intervention.

18. HEAS210 Health Assessment: Health Assessment is a fundamental course designed for nursing students to develop comprehensive skills in conducting systematic and holistic assessments of individuals across the lifespan. This course focuses on the collection and analysis of subjective and objective data to evaluate the physical, mental, and psychosocial well-being of patients. Students will learn essential techniques for performing interviews, physical examinations, and health history assessments.

19. PHRM210 Pharmacology: This course will help the student to examine pharmacotherapeutic agents used in the treatment of illness and the promotion, maintenance and restoration of wellness in diverse individuals across the lifespan. Emphasis is on the principles of pharmacokinetics, pharmacodynamics and pharmacogenetics in the treatment of selected illnesses. The focus is on concepts of safe administration and monitoring the effects of pharmacotherapeutic agents.

20. CLNU210 Clinical Nutrition: Clinical Nutrition is a specialized course designed for nursing students to gain knowledge and skills related to the assessment and management of nutritional needs in patients. This course focuses on the application of nutrition principles and evidence-based practices in diverse healthcare settings. Students will learn about the role of nutrition in promoting health, preventing diseases, and supporting the management of various medical conditions.

21. MSNU211 Medical/Surgical Nursing I: This course focuses on comprehensive delivery of nursing care for adults hospitalized for acute or chronic conditions. It examines nursing care of patients with common medical, surgical, and psychiatric conditions. Students learn theories, research, and standards of care that are related to common disease processes and conditions.

22. LMNU210 Leadership and Management for Nurses: This course explores selected theories and concepts that shape the leadership and management practices that are used in the health care setting to raise collaboration among health care professionals. This course consists of several components such as principles, methods, and functions of management and leadership skills. Staff nurses need the competencies not only to deliver health care services, but also to initiate lead, manage and monitor high quality services in the current changing and challenging healthcare environment.

23. HEPR210 Health Promotion: This comprehensive course equips nurses with the knowledge and skills to effectively promote health and reduce risk factors for individuals across the lifespan. It recognizes the interconnectedness of personal health, family dynamics, and environmental factors in shaping overall well-being. Nurses will gain proficiency in evaluating and implementing interventions that have demonstrated effectiveness in preventing chronic diseases, promoting healthy behaviors, and improving overall health outcomes.

24. RESN210 Research for Nurses: This course examines basic research concepts, language and processes. Approaches to research and ways of knowing in nursing and related sciences are explored. Qualitative and quantitative research methods are compared. Students critically appraise and interpret studies in order to enhance their understanding of the research process.

25. PCSK310 Professional Communication Skills: This transformative course will enable students to delve into the intertwined domains of communication and professional conduct in the nursing profession. It nurtures the ability to seamlessly integrate knowledge, attitudes, and skills, enabling them to communicate effectively in various forms, including verbal, nonverbal, and electronic, within the clinical setting. The course delves into the intricacies of communication-related challenges and their profound impact on healthcare delivery. It equips future nurses with strategies and tools designed to elevate their performance and uphold patient safety principles. The course fosters students' expertise in interdisciplinary communication and cultivate a heightened awareness of preventing harm caused by ineffective communication.

26. MAHE310 Maternal Health: This comprehensive course delves into the fundamentals of reproductive health, equipping students with the knowledge and skills necessary to effectively manage reproductive health issues. The course

encompasses a thorough examination of reproductive health measures and indicators. The course emphasizes the provision of compassionate and evidence-based care to women throughout the reproductive cycle. Students will gain an in-depth understanding of various family planning methods, including their mechanisms, benefits, and limitations. Additionally, the course explores a wide range of gynecological problems.

27. ICAH310 Infant, Child, and Adolescent Health: This course enables students to develop a sound approach to care for children and their families through moving from simple to complex issues, starting with concepts of normal growth and development, health promotion and maintenance, and the prevention of illnesses and accidents and then to selected health problem. This is achieved through utilizing the nursing process, developmental theories, new trends and the latest approaches in the management and caring of children.

28. MENH310 Mental Health: This course enables students to apply theories and implement evidence based care for clients with psychiatric/mental health issues, including psychosocial concepts; cultural, ethical, and legal influences; and wellness of individuals and family groups. Emphasis is placed on utilizing the nursing process to provide professional nursing care for individuals with common psychiatric disorders and mental needs in acute health care settings as well as in community settings.

29. CHNU310 Community Health Nursing: This course applies concepts of complex nursing situations outside of institutional settings. Nursing and public health concepts are integrated to provide a theoretical base for the care for families and communities. The role of the community health nurse in caring for specific communities is addressed.

30. MSNU312 Medical/Surgical Nursing II: This course builds upon the foundational knowledge and skills gained in Medical-Surgical Nursing I, focusing on the care of patients with complex medical-surgical conditions. It emphasizes the application of nursing principles, critical thinking skills, and interprofessional collaboration in providing comprehensive care. The clinical experience provides opportunity to develop skills in total patient care stressing a holistic approach to care through the nursing process in a variety of adult medical surgical settings.

31. ELDH310 Elderly Health: This course delivers the needed information regarding the care of the elderly. The theories and concepts of aging, the physiologic and psychosocial changes and problems associated with the aging process. The relevant nursing interventions for the elderly and their families are addressed taking into consideration the ethical and legal aspects of caring for the elderly. The course content seeks to provide a sound knowledge base from which

student can practice gerontological nursing and to cultivate within the student a respect and appreciation for the older adult.

32. NINF310 Nursing Informatics: This course delves into the intersection of nursing practice and informatics, empowering students to harness the power of advanced technology, including artificial intelligence and machine learning, to enhance patient care. By applying relevant competencies to their daily nursing practice, students will gain a comprehensive understanding of how informatics can revolutionize healthcare delivery. In addition to exploring the ethical considerations surrounding the protection of patient privacy, confidentiality, and security, the course examines the potential of social networking tools to disseminate health-related information effectively.

33. CCNU410 Critical Care Nursing (NICU, CCU, ICU): This advanced course delves into the realm of critical care nursing, empowering students to transcend fundamental techniques and acquire in-depth scientific knowledge. It is crafted to provide students with a comprehensive understanding of the nature of critical care nursing and the multifaceted role nurses play in addressing the complex needs of critically ill patients facing acute and life-threatening conditions. The knowledge gained through this course will enable students to collaborate effectively in providing holistic care management to patients admitted to critical care settings and their families. They will delve into the intricacies of critical care interventions, including hemodynamic monitoring, ventilatory support, and pharmacological therapies. Additionally, students will cultivate a deep understanding of the psychosocial aspects of critical care, enabling them to provide empathetic and supportive care to patients and their families during challenging times.

34. INTP411 Integrative Practicum I: This clinical course provides students with the opportunity to integrate their nursing knowledge and skills in a variety of healthcare settings. Students will work under the supervision of a clinical nurse instructor to provide direct care to patients across the lifespan. They will also participate in interprofessional rounds, case studies, and other learning activities to enhance their critical thinking and problem-solving skills.

35. EMRN410 Emergency Nursing: This comprehensive course delves into the theoretical foundations of emergency nursing, a critical component of the healthcare delivery system. It is crafted to provide students with a profound understanding of emergency nursing's essence and the multifaceted role nurses play in addressing patient needs. By embarking on this course, students will acquire the knowledge and skills necessary to deliver efficient and compassionate nursing care during emergencies and disasters, whether in pre-hospital settings, hospital environments, or amidst large-scale catastrophes.

36. INTP412 Integrative Practicum II: This clinical course provides students with the opportunity to further develop and refine their nursing skills and knowledge. Students will work under the supervision of a clinical nurse instructor to provide complex care to patients in a variety of healthcare settings. They will also participate in leadership activities and patient education to enhance their professional development.

37. PNUP410 Preparation for Nursing Practice: The course explores major health care, legal, professional and ethical issues facing nursing worldwide. Students relate how professional issues impact on nursing practice and development in the Gulf region. Students will be given an opportunity to articulate views of contemporary issues within health care domain. They will be encouraged to relate their conclusions to their roles as future nursing professionals and the contributions they may expect to make towards the development of nursing in society.

38. GHNU310 Global Health Nursing: This course provides an introduction to the field of global health nursing, with a focus on the role of nurses in promoting health equity and improving health outcomes for people around the world. Students will examine the social determinants of health, the impact of globalization on health, and the role of nurses in addressing health disparities. Students will also gain an understanding of the ethical principles that guide global health nursing practice.

39. NEDU310 Nursing Education: This course provides an overview of the principles and practices of nursing education. Students will explore the different roles of nursing educators, the development of nursing curricula, and the use of teaching and learning strategies in the nursing classroom. Students will also gain an understanding of the ethical and legal issues related to nursing education.

40. SCHH310 School Health: This course provides an introduction to the field of school health, with a focus on the role of school nurses in promoting the health and well-being of school-aged children. Students will examine the physical, mental, and social health needs of school children, and the role of school nurses in addressing these needs. Students will also gain an understanding of the school health environment and the role of school nurses in creating a healthy and safe learning environment.

41. DISM310 Disaster Management: This course provides an overview of the principles and practices of disaster management, with a focus on the role of nurses in disaster preparedness, response, and recovery. Students will examine the different phases of disaster management, the types of disasters that can occur, and the role of nurses in mitigating the impact of disasters. Students will also gain an understanding of the ethical and legal issues related to disaster management.

42. EOLC410 End-of-life Care: This course provides an overview of end-of-life care, with a focus on the role of nurses in providing compassionate and holistic care to dying patients and their families. Students will examine the ethical and legal principles that guide end-of-life care, the assessment and management of symptoms, and the provision of psychosocial support to patients and families. Students will also gain an understanding of the different care settings for end-of-life care, such as hospitals, hospices, and homes.

43. ACLN410 Advanced Clinical Nutrition: This course provides an in-depth exploration of clinical nutrition, with a focus on the role of nurses in providing evidence-based nutritional care to patients across the lifespan. Students will examine the nutritional needs of patients with a variety of health conditions, including cancer, diabetes, and heart disease. Students will also gain an understanding of the principles of enteral and parenteral nutrition, and the use of nutritional supplements.

44. PAMG410 Pain Management: This course provides an overview of pain management, with a focus on the role of nurses in assessing and managing pain in patients. Students will examine the different types of pain, the physiology of pain, and the pharmacology of pain medications. Students will also gain an understanding of non-pharmacological pain management techniques, such as relaxation therapy and cognitive-behavioral therapy.

45. DMCA410 Diabetes Care: This course provides an overview of diabetic care, with a focus on the role of nurses in educating and managing patients with diabetes. Students will examine the pathophysiology of diabetes, the different types of diabetes, and the treatment options for diabetes. Students will also gain an understanding of the self-management of diabetes, including diet, exercise, and blood glucose monitoring.