

Nursing

School of Engineering, Nursing, and Science

Purpose Statement

We, the Department of Nursing at Cedarville University, are called to educate nursing students who fulfill God's purpose for their lives in local communities and throughout the world. Through the power of the Holy Spirit we are leaders in promoting the health of people in a variety of settings. We are devoted to God's service through the ministry of nursing.

The Department of Nursing seeks to produce graduates who demonstrate mastery in four primary areas: godly living, care, culture, and information management.

Accreditation and Licensure

National

The Department of Nursing Program is accredited by the Commission on Collegiate Nursing Education. Cedarville University is accredited by the North Central Association of Colleges and Secondary Schools.

State

The Cedarville University Department of Nursing has full approval by the Ohio Board of Regents and the Ohio Board of Nursing.

Registration

Graduates are eligible for admission to the National Council Licensure Examination (NCLEX-RN) for licensure as a registered nurse in any state.

Personal Requirements

Students who wish to apply for admission to Cedarville University and major in nursing need a strong commitment to leading a godly lifestyle and to learning ways to use nursing as a ministry for Christ. A college preparatory curriculum including four years of both mathematics and science provides the best academic preparation for the nursing major. An ACT composite score of 24 (or SAT composite of 1100) or greater is highly recommended.

Department Requirements

Admission to Nursing Clinical Courses

Students apply for admission to the Department of Nursing clinical courses during the *spring semester of their sophomore year*. Students who meet the following criteria are admitted:

1. Earn a cumulative grade point average of 2.5.
2. Earn a "C-" or above in all required courses.
3. Write and have approved a statement of career goals.
4. Provide a recommendation from the respective academic advisor.
5. Provide appropriate health information.
6. Pay an application fee (\$25 non-refundable).
7. Provide evidence of liability insurance (\$1 million/\$3 million limits).
8. Maintain current certification in cardiopulmonary resuscitation (CPR).
9. Demonstrate computer literacy.
10. Demonstrate a level of health consistent with safe nursing practice.
11. Achieve a passing grade on the applied mathematics exam given by the Department of Nursing.
12. Complete required prerequisite courses prior to enrollment in clinical nursing courses. (Students may leave no more than four outstanding General Education or Bible courses prior to beginning of nursing clinical courses.)

Retention Requirements

1. Earn a grade of "C-" or above in all nursing courses.
2. Maintain a cumulative GPA of 2.25.
3. Maintain *current* CPR certification and professional liability insurance.
4. Attain clinical objectives.
5. Receive a positive recommendation by the faculty of the Department of Nursing.

Graduation Requirements

1. Earn a grade of "C-" or above in all nursing courses.
2. Register for admission to the examination for state licensure as a registered nurse.
3. Earn a passing score on a national standardized nursing examination. If a passing score is not attained the student must complete an individually designed remediation program.
4. Receive a positive recommendation by the faculty of the Department of Nursing.
5. Meet university requirements for graduation.

Financial Aid

Federal Nursing Student Loans are available to qualified students who have been admitted to the nursing program. Some additional scholarships are available through our endowments although primarily offered to upperclassmen accepted into the Department of Nursing clinical courses. Information is available in the department office, the Financial Aid Office, and on the FAO homepage.

Programs of Study

Cedarville's nursing program leads to a Bachelor of Science in Nursing degree. Nursing students may also select a minor in cross-cultural nursing.

Licensed Nurses Who Wish to Earn a Bachelor of Science in Nursing (B.S.N.)

The curriculum plan for the R.N. and L.P.N. is individually designed on the basis of previous coursework. Interested students should request R.N.-B.S.N. or L.P.N.-B.S.N. education information from the Department of Nursing. Specific information concerning transfer admission and the transfer of college credit is in the Admissions section of this catalog.

Co-Curricular Opportunities

Christian Nurses Association

The Christian Nurses Association promotes spiritual growth and professional development for nurses and service for the community. Membership is open to all nursing students.

Technical Resources

- **Barrett Clinical Lab** Industry-standard technology for on-site learning of basic clinical skills required for nursing care
- **20-Station Multi-Media Lab** Equipped with a variety of software programs to supplement out-of-class student learning

Career Opportunities

Graduate and professional schools welcome Cedarville graduates. Nursing graduates obtain positions in the following settings: medical centers, public health departments, home health agencies, clinics, nursing homes, schools, work sites, mental health facilities, and the mission field.

Faculty

Irene Alyn, Chairman: Professor of Nursing. *Education:* B.A., Taylor University, 1962; Diploma, Cook County School of Nursing, 1962; M.S.N., University of Illinois, 1965; Ph.D., University of Illinois, 1972. At Cedarville since 1981.

Lois Baker, Professor of Nursing. *Education:* Diploma, Blodgett Memorial Medical Center School of Nursing, 1974; B.R.E., Grand Rapids Baptist College, 1975; B.S.N., Nazareth College, 1982; M.S.N., University of Cincinnati, 1984; Ph.D., Wayne State University, 1991. At Cedarville since 1984.

Carolyn Barnett, Instructor of Nursing (PT). *Education:* B.S.N., Cedarville University, 1986. At Cedarville since 1997.

Devon Berry, Assistant Professor of Nursing. *Education:* B.S.N., Cedarville University, 1995; M.S.N., Case Western Reserve University, 1997. At Cedarville since 1999.

Connie Bierly, Assistant Professor of Nursing. *Education:* Diploma, Bethesda Hospital School of Nursing, 1977; B.S.N., Xavier University, 1989; M.S., Wright State University, 1992. At Cedarville since 1993.

Karen Callan, Instructor of Nursing (PT). *Education:* B.S.N., Cedarville University, 1985. At Cedarville since 1992.

Carolyn Carlson, Professor of Nursing. *Education:* B.S., Capital University, 1959; M.S., U.C.L.A., 1962; M.A., University of Colorado, 1972; Ph.D., University of Colorado, 1974. At Cedarville since 1988.

Linda Cave, Assistant Professor of Nursing. *Education:* B.S.N., University of Northern Colorado, 1981; M.S., University of Colorado Health Sciences Center, 1983. At Cedarville since 1989.

Sharon Christman, Assistant Professor of Nursing. *Education:* B.S.N., Cedarville University, 1992; M.S., The Ohio State University, 1995; ABD, The Ohio State University, 2000. At Cedarville since 1997.

Janet Conway, Professor of Nursing. *Education:* Diploma, Hackley Hospital School of Nursing, 1965; B.S.N., Coe College, 1976; M.S., University of Arizona, 1979; Specialist in Clinical Nursing, Indiana University, 1982; Ph.D., University of Texas, 1988. At Cedarville since 1982.

Chu-Yu Huang, Assistant Professor of Nursing. *Education:* A.D.N., Foo Yin Nursing Jr. College of Nursing, Taiwan, 1989; B.S.N. University of Dubuque, 1992; M.S.N., The Ohio State University, 1995; Ph.D., The Ohio State University, 2001. At Cedarville since 2001.



Cedarville students work closely with their professors to learn invaluable medical skills.



Dr. Irene Alyn, Chairman of the Department of Nursing, has taught at Cedarville since 1981.

Sandra Hayward, Associate Professor of Nursing. *Education:* B.S.N., Cedarville University, 1986; M.S., Wright State University, 1992. At Cedarville since 1992.

Kimberly Higginbotham, Assistant Professor of Nursing. *Education:* B.S.N., Cedarville University, 1993; M.S.N./P.N.P., University of Virginia, 2000. At Cedarville since 2000.

Mark Klimek, Associate Professor of Nursing. *Education:* B.S.N., University of Virginia, 1977; M.S.N., Wayne State University, 1979; graduate study, Wayne State University, 1987-. At Cedarville since 1983.

Suzanne Lefever, Instructor of Nursing (FT). *Education:* B.S.N., Goshen College, 1983; M.S., SUNY-Stony Brook Neonatal Nurse Practitioner Program (anticipated 2003). At Cedarville since 2001.

David Sharp, Associate Professor of Nursing. *Education:* M.A., University of Aberdeen, 1977; M.S.N., University of Edinburgh, Scotland, UK, 1989; Ph.D., The Robert Gordon University, Scotland, UK, 1999; MSc., University of Edinburgh, Scotland, UK, 2001. At Cedarville since 2001.

Kimberly Sharp, Associate Professor of Nursing. *Education:* B.A., Cedarville University, 1982; B.S.N., Cedarville University, 1985; M.S., University of Edinburgh, Scotland, UK, 1989; Ph.D., The Robert Gordon University, Scotland, UK, 2000. At Cedarville since 2001.

Sandy Shortt, Wellness Center Coordinator (PT). *Education:* B.S.Ed., Central Michigan University, 1976; M.S.Ed., Virginia Polytechnic Institute and State University, 1978; EdD, Virginia Polytechnic Institute and State University, 1982. At Cedarville since 1997.

Judith Shrubsole, Associate Professor of Nursing. *Education:* Diploma, Hamilton Civic Hospital School of Nursing, 1965; Diploma, University of Western Ontario, 1967; B.S.N., University of Western Ontario, 1968; M.S., D'Youville College, 1992; ABD, Rush University, 1999. At Cedarville since 1992.

Rhonda Smith, Instructor of Nursing (PT). *Education:* B.S.N., Lynchburg College, 1988. At Cedarville since 2000.

Lisa Trefz, Assistant Professor of Nursing (PT). *Education:* Diploma in Nursing, Miami Valley Hospital School of Nursing, 1976; B.S.N., Wright State University, 1982; M.S.N., University of Cincinnati, 1999. At Cedarville since 1994.

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Clinical Activity Information

Facilities

All clinical activity is conducted under the supervision of the Cedarville University Department of Nursing faculty. The program utilizes a number of community resources within 30 miles of the campus including public and private, large and small hospitals, health departments, mental health services, rehabilitation centers, clinics, homes for the aged, and physicians' offices.

Students are responsible for transportation to and from clinical settings. Car pools are encouraged to help defray transportation costs.

Health Information

Prior to clinical nursing courses, students must provide documentation of:

1. Complete physical examination.
2. Rubella and Rubeola immunity.
3. Negative Mantoux test. Clinical agencies may require a negative chest x-ray in the event of a positive TB skin test.
4. History of Chicken Pox or results of a Varicella Titer.
5. Childhood immunizations.
6. Tetanus booster (within past 5 years).
7. Hepatitis B vaccine series or signed declination.
8. Hep Vax (Hepatitis A) vaccine recommended.

Uniforms and Equipment

Each student must secure uniforms and photo identification prior to the first clinical experience. Students must purchase books and equipment needed in clinical settings.



Students serve God through the nursing and ministry skills they are learning at Cedarville University.

Nursing Course Requirements

In addition to completing the General Education Requirements, nursing majors must take the following courses. These requirements are divided into two segments, *support cognate requirements* and *nursing major requirements*.

The support cognate requirements, many of which satisfy General Education Requirements, include:

BIO-2010 Human Anatomy and Physiology	4
BIO-2020 Advanced Clinical Physiology	4
BIO-2210 Microbiology	4
CHEM-1000 Principles of Chemistry	5
CHEM-1010 Principles of Biochemistry	5
HIST-3750 Social Movements	3
PYCH-1600 General Psychology	3
PYCH-2610 Statistics	3

The nursing major requirements involve 71 semester hours including:

NSG-1010 Member of Nursing Profession I	1
NSG-1020 Provider of Nursing Care I	2
NSG-2010 Member of Nursing Profession II	1
NSG-2020 Provider of Nursing Care II	2
NSG-2150 Nutrition	2
NSG-3010 Maternity and Women's Health Nursing	7
NSG-3020 Provider of Nursing Care III	2
NSG-3050 Nursing in Relationships I	2
NSG-3060 Nursing in Relationships II	4
NSG-3070 Nursing Care of Diverse Populations	2
NSG-3080 Concepts in Basic Medical-Surgical Nursing	7
NSG-3090 Public Health Nursing	4
NSG-3110 Pharmacology	3
NSG-4010 Adult/Child Health Nursing	14
NSG-4050 Leaders as Managers in Clinical Nursing	10
NSG-4830 Theory in Nursing	2
NSG-4930 Nursing Research	3
NSG-4950 Seminar in Nursing	3

Nursing Major Curriculum Summary

Proficiency Requirements	0-5
General Education Requirements	33
Nursing Major Requirements	71
Required Cognates	31
Total (minimum not including proficiency)	135

A complete description of the General Education Requirements is found on page 18

Suggested Four-Year Curriculum for a Major in Nursing

First year:

BEGE-1710 Christian Life and Thought	3
BEGE-1720 Spiritual Formation	3
CHEM-1000 Principles of Chemistry	5
CHEM-1010 Principles of Biochemistry	5
COM-1100 Fundamentals of Speech	3
ENG-1400 Composition	3
GSS-1000 Foundations of Social Science	3
HUM-1400 Introduction to the Humanities	3
NSG-1010 Member of Nursing Profession I	1
NSG-1020 Provider of Nursing Care I	2
PEF-1990 Physical Activity and the Christian Life	1
PYCH-1600 General Psychology	3
Total	35

Second year:

BEGE-2730 Old Testament Literature	3
BEGE-2740 New Testament Literature	3
BIO-2010 Human Anatomy and Physiology	4
BIO-2020 Advanced Clinical Physiology	4
BIO-2210 Microbiology	4
HIST-3750 Social Movements	3
NSG-2010 Member of Nursing Profession II	1
NSG-2020 Provider of Nursing Care II	2
NSG-2150 Nutrition	2
PYCH-2610 Statistics	3
Literature Elective	3
Physical Education Activity Elective	1
Total	33

Third year:

BEGE-3750 Christian Worldview Development	2
BEGE-3760 Christian Worldview Integration	2
NSG-3010 Maternity and Women's Health Nursing	7
NSG-3020 Provider of Nursing Care III	2
NSG-3050 Nursing in Relationships I	2
NSG-3060 Nursing in Relationships II	4
NSG-3070 Nursing Care of Diverse Populations	2
NSG-3080 Concepts in Medical-Surgical Nursing	7
NSG-3090 Public Health Nursing	4
NSG-3110 Pharmacology	3
Total	35

Fourth year:

NSG-4010 Adult/Child Health Nursing	14
NSG-4050 Leaders as Managers in Clinical Nursing	10
NSG-4830 Theory in Nursing	2
NSG-4930 Research in Nursing	3
NSG-4950 Seminar in Nursing	3
Total	32

Cross-Cultural Nursing Minor

Students anticipating service in intercultural or international settings may choose an emphasis in cross-cultural nursing. Course requirements involve an additional 16 semester hours selected from:

ANTH-1800 Cultural Anthropology	3
BEPH-2260 Religion and Culture	3
BEPT-2400 Personal Evangelism	3
NSG-2200 Cross-Cultural Interactions	1
NSG-3200 Cross-Cultural Nursing Internship	1-3
NSG-4200 Culture and Health	3
NSG-4800 Independent Study	1-2



The cross-cultural nursing program provides students with professional experience and countless ministry opportunities.



The clinical setting in area hospitals enables students to gain practical experience under the guidance of qualified medical personnel.

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Course Descriptions

NSG-1010 Member of Nursing Profession I 1 hour

An introduction to nursing education, practice, theory, and research. Includes discussion of professional ethics and factors that motivate and influence Christian nurses. As a member of the nursing profession, students are introduced to the use of information management skills to provide culturally-sensitive care, consistent with godly living.

NSG-1020 Provider of Nursing Care I 2 hours

An introduction to the role of the nurse as a provider of nursing care. Emphasis on supervised practice and validation of foundational nursing skills. Assessment and decision-making processes are introduced within the Cedarville University five dimensional nursing model. (Fee: \$100)

NSG-2010 Member of Nursing Profession II 1 hour

An introduction to and application of professional nursing roles within the U.S. and global health care systems. Includes a focus on ways of thinking and an introduction to analytical judgment as a member of a profession from a Christian framework. *Prerequisite:* NSG-1010 Member of Nursing Profession I.

NSG-2020 Provider of Nursing Care II 2 hours

An introduction to clinical decision-making processes with application to various pathophysiological conditions in providing nursing care. Consideration is given to development of clinical role responsibilities of the nurse as well as to the selection of appropriate nursing interventions using a case study approach. Students learn information management skills of documentation, medical terminology, and abbreviations. *Prerequisite:* NSG-1020 Provider of Nursing Care I.

NSG-2150 Nutrition 2 hours

Study of normal nutrition and food consumption patterns of individuals and families of all ages within various cultures. Metabolism of food and nutrient utilization is described in a health balance framework. The use of nutrition as a resource to promote health is discussed. *Prerequisite:* CHEM-3710 Biochemistry; or permission of instructor.

NSG-2200 Cross-Cultural Interactions 1 hour

Cross-cultural interactions are planned, purposeful experiences designed to gain information and understanding of missions and/or cross-cultural nursing. *Prerequisite:* permission of instructor.



The Cedarville experience overflows with opportunities to develop friendships that will last for life.

NSG-3010 Maternity and Women's Health Nursing 7 hours

Course content and clinical experiences provide the student with the opportunity to facilitate the health balance of women and the childbearing family across the five dimensions. Students interact to support family members in their changing roles as they manage resources in response to new demands. Cultural implications for care of the childbearing family are presented.

Prerequisite: NSG-2010 Member of Nursing Profession II; NSG-2020 Provider of Nursing Care II; NSG-3020 Provider of Nursing Care III (or corequisite). (Fee: \$100)

NSG-3020 Provider of Nursing Care III 2 hours

Focus on development of systematic approaches to assessing the health balance of individuals. Includes elements of a health history, performing physical examination, analysis and categorizing of physical response patterns, and communicating findings in appropriate terminology. Students learn principles and develop technical skills for providing nursing care in various settings, including medication administration and providing perioperative care. *Prerequisites:* NSG-2010 Member of Nursing Profession II; NSG-2020 Provider of Nursing Care II; admission to clinical nursing courses. (Fee: \$100)

NSG-3050 Nursing in Relationships I 2 hours

Introduces aspects of developing therapeutic relationships involving one-to-one and group interactions to achieve client-focused and professional goals. Focus is on effective communication as a member of profession and provider of care. Emphasis is on the biblical view of balance in communication patterns, in emotions, thinking and behaving and methods of assessing, promoting, and restoring such balance. *Prerequisites:* PSYCH-1600 General Psychology; NSG-2010 Member of Nursing Profession II; NSG-2020 Provider of Nursing Care II.

NSG-3060 Nursing in Relationships II 4 hours

Using a Christian worldview students analyze frameworks for promoting and restoring healthy relationships. Students participate in integration of care with other members of the interdisciplinary health care team in a variety of settings. Emphasis is on imbalances in thinking, emotions, and behaviors that interfere with individual and group processes and require external intervention to promote balance. *Prerequisite:* NSG-3050 Nursing in Relationships I. (Fee: \$100)

NSG-3070 Nursing Care of Diverse Populations 2 hours

Students develop information management skills when investigating societal structures that determine the cultural patterns of diverse populations. Issues of similarity and difference are explored as a basis for culturally sensitive practice. Concepts of health and illness direct examination of complex forces that maintain, threaten, and promote the health balance of individuals, families, and communities. *Prerequisites:* NSG-2010 Member of Nursing Profession II; NSG-2020 Provider of Nursing Care II; admission to clinical nursing courses; or permission of instructor.

NSG-3080 Concepts in Medical-Surgical Nursing 7 hours

Focus on concepts of nursing necessary to provide care to adults across the five dimensions. Critical thinking, assessment, and communication skills consistent with biblical principles will be utilized to manage information and provide culturally appropriate care to individuals and family groups. Students begin to demonstrate competency in technical skills and the professional nursing role within the clinical and laboratory settings. *Prerequisites:* NSG-2010 Member of Nursing Profession II; NSG-2020 Provider of Nursing Care II; NSG-3020 Provider of Nursing Care III (or corequisite). (Fee: \$100)

NSG-3090 Public Health Nursing 4 hours

Students focus on theoretical models of primary health care and health promotion. Contemporary health issues are examined in light of social policy initiatives and their impact on community building and disease prevention. Students use epidemiological

and community resources to analyze and apply strategies for implementing community focused nursing practice. *Prerequisite:* NSG-3070 *Nursing Care of Diverse Populations*; or permission of instructor. (Fee: \$100)

NSG-3110 Pharmacology **3 hours**

Pharmacokinetics, pharmacodynamics, and pharmacotherapeutics of major drug categories are discussed as they are used to restore health balance. Special emphasis is given to the ways in which pharmacological agents may create new health demands. Nursing actions to prevent or minimize these demands are discussed. *Prerequisites:* CHEM-1010 *Principles of Biochemistry*; BIO-2020 *Advanced Clinical Physiology*; or permission of instructor.

NSG-3200 Cross-Cultural Nursing Internship **1-3 hours**

Students actively participate in health-related activities in a facility established to provide care for persons in cultures different from theirs. The length of time involved in the internship may vary according to the student needs. *Prerequisites:* NSG-3080 *Concepts in Medical-Surgical Nursing*; permission of instructor.

NSG-4010 Adult/Child Health Nursing **14 hours**

Focus is on common physiological imbalances of adults and children and the nursing care required to restore or promote health balance across five dimensions. Special emphasis is given to the application of biblical truth concerning illness, suffering, helping, and compassion, along with common moral and ethical issues encountered by nurses. Students gain increasing independence in professional nursing role development as designers and coordinators of care. *Prerequisites:* NSG-2150 *Nutrition*; NSG-3080 *Concepts in Medical-Surgical Nursing*; NSG-3090 *Public Health Nursing*; NSG-3110 *Pharmacology*. (Fee: \$100)

NSG-4050 Leaders as Managers in Clinical Nursing— **10 hours**

Focuses on the observation and development of leadership/management skills and the nursing management of individuals or groups experiencing complex multidimensional health imbalances. Special emphasis is given to the biblical view of successful leadership/management. Students assume professional nursing roles working under the supervision of faculty, RN

preceptors, clinical specialists, and/or various levels of nurse managers in their clinical area of choice. Students work full-time for five weeks following the preceptor's schedule and shift including nights, weekends, and holidays. *Prerequisite:* NSG-4010 *Adult Child Health Nursing*; or permission of instructor. (Fee: \$100)

NSG-4200 Culture and Health **3 hours**

Situations in which cross-cultural dilemmas emerge from the interaction of culture and health are analyzed to derive models for resolution. *Prerequisite:* junior/senior standing; or permission of instructor.

NSG-4800 Independent Study in Nursing **1-3 hours**

Independent learning to secure an extensive background in a specialized area of nursing. May be repeated once. *Prerequisite:* signed contract between student and instructor in which work to be completed is described.

NSG-4830 Theory in Nursing **2 hours**

Theories of nursing and borrowed theory are studied to demonstrate conceptual frameworks for nursing care used to restore balance of resources and demands. Students comparatively analyze a data set using Christian nursing theory and at least one other set of assumptions. *Prerequisite:* NSG-4010 *Adult/Child Health Nursing*; or permission of instructor.

NSG-4930 Nursing Research **3 hours**

The research process is studied as an information management tool applied to the investigation of health balances and imbalances. Basic elements of the research process, including ethical issues, are discussed and applied to published nursing research and student proposals. *Prerequisites:* NSG-3080 *Concepts in Medical-Surgical Nursing*; PSYCH-2610 *Statistics*.

NSG-4950 Seminar in Nursing **3 hours**

Focuses on trends in professional nursing. Students are challenged to integrate a Christian philosophy of nursing as they adopt the role of professional nurse. The political, legal, economic, social, and ethical factors that disrupt the balance of resources and demands in health care are debated. Capstone course. *Prerequisite:* NSG-4010 *Adult/Child Health Nursing*; or permission of instructor.



Nursing students are challenged to demonstrate love and concern to patients but also to fellow workers and students.