

Health Professions Degrees and Certificates

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Lord Fairfax Community College • <http://www.lfcc.edu>

Associate of Applied Science Degree in Nursing

AREA: Nursing

DEGREE: Associate of Applied Science Degree

LENGTH: Four semesters

PURPOSE: The two-year Associate of Applied Science Degree Program in nursing is designed to prepare selected students to function as contributing members of the health care team, providing direct patient care as beginning practitioners of nursing in a variety of health care environments. Students who successfully complete the curriculum are awarded the Associate of Applied Science degree in nursing and are eligible to apply to take the National Council Licensure Examination (NCLEX-RN) leading to licensure as a registered nurse (RN). The Board of Nursing can deny licensure to any applicant who has filed false information and/or who has committed a felony/misdemeanor. Certain health care facilities may not employ individuals who have committed certain criminal acts and may conduct criminal background checks before hiring potential employees.

The Associate Degree in Nursing (ADN) Program is designed to provide a base of general education from which the graduate will grow and develop as a contributing member of society. The curriculum also provides a background for maximum transfer opportunities to baccalaureate or masters programs. The ADN Program is an academically challenging program. The program is open to men and women who provide evidence of interest, motivation and aptitude in the area of health care. Students shall be selected on the basis of established criteria and without regard to age, race, creed, sex, or national origin. Students with disabilities, who meet the admission requirements, pass the physical/mental exam and submit the physical examination form signed by their health care provider stating that they are able to perform as student nurses in the clinical setting are eligible for admission. It is the responsibility of the student to meet the physical/mental requirements for state licensure. Lord Fairfax Community College does not discriminate on the basis of race, color, creed, religion, national origin, disability, age, gender or sexual orientation in their admission procedures.

OCCUPATIONAL OBJECTIVES: Employment opportunities for the graduate nurse include, but are not limited to, hospitals, long-term-care facilities, clinics, home health, health departments, primary care offices, day-care centers, civil service, military service, industry, private duty and community health services.

ADMISSION REQUIREMENTS: Requirements for admissions to the ADN Program are specific and admission is selective and competitive. All admission requirements must be completed in order to be considered in the selection process. In all cases, the recommendation of the selection

committee is the final determinant for admission to the nursing program. Current information may be obtained from the Division of Business, Technology, Science and Health Professions.

1. Application to Lord Fairfax Community College LFCC)
2. LFCC placement tests (if required) and completions of any developmental work (through MTH 03, ENG 04, ENG 01) that may be identified by the placement test. Must place into MTH 04 and ENG 111 to satisfy requirement without taking remediation.
3. Graduation from high school or satisfactory completion of the certificate of general educational development (GED); official copy required. Biology, chemistry, and algebra required with a grade of C or better (may be substituted with an entry-level course in each subject).
4. Evidence of ITE 115 or computer competency IC³
5. Completion of Test of Essential Academic Skills (TEAS) admission examination (only available mid-November through the third week of March)
6. Completion of Nursing Program application with all required transcripts
7. Minimum grade point average of 2.5

PROGRAM REQUIREMENTS: Failure to meet requirements will be cause for administrative withdrawal of the student from the ADN Program.

1. Upon admission to the program
 - a. Physical history and examination is required. All applicants must be free of any physical and/or mental condition which might adversely affect their performance as nurses.
 - b. Completion of all required immunizations
 - c. CPR Certification as a Health Care Provider (to include adult, infant, and child)
 - d. Completion of criminal background search, fingerprinting and drug screen as required and to the satisfaction of affiliating clinical agencies
2. Completion of 68 credits with a minimum grade of C in all general education and nursing courses including a required preceptorship during NUR 222
3. Transportation to and from the College and agencies used for clinical experiences

Associate of Applied Science Degree in Nursing

4. Student is responsible for all fees charged for required testing, uniforms, books and criminal background search/drug screen/ psychological screening
5. Strict adherence to attendance and performance policies for classroom and clinical courses
6. Sign an agreement which releases all clinical agencies and their employees, Lord Fairfax Community College, the Virginia Community College System and the Commonwealth of Virginia from any liability for any injury or death to the student or damage to her/his property arising out of agreement of use of facilities associated with the nursing program

ACCREDITATION: The Associate Degree Program is approved by the State Board for Community Colleges, the State Council of Higher Education for Virginia and the Virginia Board of Nursing.

Course#	Title	Credits
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First Semester (Acceptance into the ADN Program prerequisite to NUR courses)

BIO 141	Anatomy and Physiology I	4
ENG 111	College Composition I	3
NUR 105	Nursing Skills	3
NUR 136	Principles of Pharmacology	2
HLT 130	Nutrition and Diet Therapy	2
PSY 230	Developmental Psychology	3
SDV 101	Orientation to the Health Professions ¹	1
	Total	18

Second Semester (Completion of all First Semester courses with grade of C or better prerequisite to NUR courses)

BIO 142	Anatomy and Physiology II	4
NUR 108	Nursing Principles and Concepts I	5
NUR 203	Mental Health Nursing	2
SOC 200	Principles of Sociology*	3
NUR 226	Health Assessment	3
	Total	17

Summer Suggested Courses (may be taken earlier)

BIO 150	Introduction to Microbiology	4
	Total	4

Third Semester (Completion of all Second Semester and Summer courses with grade of C or better prerequisite to NUR courses)

CST 100	Principles of Public Speaking**	3
NUR 180	Essentials of Maternal/Newborn Nursing	3
NUR 221	Second Level Nursing Principles & Concepts I	9
	Total	15

Fourth Semester (Completion of all courses above prerequisite to NUR courses)

NUR 222	Second Level Nursing Principles & Concepts II	9
NUR 255	Nursing Organizations and Management	2
PHI 220	Ethics ***	3
	Total	14

Program Total **68**

*SOC 207 Medical Sociology can substitute for SOC 200.

**CST 110 Introduction to Speech Communication can substitute for CST 100.

***Students transferring credits from another college may substitute the following courses for the PHI 220 requirement: ART 100, 102; ENG 241,242, 243, 244, 251, 252; HUM 100, 201, 202; MUS 121, 122; PHI 101, 225, 226, 227; REL 231, 232; SPS 151, 152; and a foreign language course, including American Sign Language (ASL).

Effective Fall 2009, HLT 130 changed from 1 credit to 2 credits and NUR 136 changed from 1 credit to 2 credits. Students may substitute the 1 credit courses taken prior to Fall 2009 to satisfy program requirements until May 2013,

SPECIAL STATUS STUDENTS: Transitional programs have been developed to provide students with prior earned credit in the health professions an opportunity to enter the ADN Program with advanced standing.

ENROLLMENT: When enrollments must be limited for any curriculum (because the number of applicants exceeds available space), priority will be given to qualified applicants who are residents of the LFCC service region as designated by the VCCS. This includes the counties of Clarke, Fauquier, Frederick, Page, Rappahannock, Shenandoah and Warren and the city of Winchester.

TRANSFER STUDENTS: Students who wish to transfer into the LFCC Associate Degree Nursing Program are considered on a space-available basis. The following requirements must be satisfied in order for a student to be eligible for transfer into the program:

- Student must be in good standing with the current nursing program, eligible to continue during the next academic semester without any open issues of clinical competency, academic performance or student conduct.
- LFCC ADN Program entrance requirements must be satisfied.

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- LFCC ADN general education requirements must be satisfied to the point of the curriculum at which the student requests transfers (e.g., third semester, fourth semester, etc.).
- Transfer and substitutions of nursing courses are subject to faculty evaluation of course syllabi and approval by the program leader; a minimum of 80% content overlap is required. The student must then validate knowledge retention with a grade of 80% or better on a faculty constructed comprehensive exam, and clinical competencies via laboratory and/or clinical experience.

Associate of Applied Science Degree: LPN Transition

AREA: Nursing

DEGREE: Associate of Applied Science Degree:
LPN Transition

LENGTH: Two semesters following completion of all prerequisite courses

PURPOSE: The LPN to ADN Transition is designed to prepare LPNs, with a current unrestricted license in the Commonwealth of Virginia, the opportunity to pursue a curriculum which will provide them with an Associate of Applied Science Degree and eligibility to take the National Council Licensure Examination (NCLEX-RN).

The LPN to ADN Transition is an academically challenging program. The program is open to men and women who provide evidence of interest, motivation and aptitude in the area of health care. Students shall be selected on the basis of established criteria and without regard to race, sex, color, national origin, religion, sexual orientation, age, veteran status, political affiliation or disability. Students with disabilities, who meet admission requirements, pass the physical/mental exam, submit the physical examination and are able to perform as student nurses in the clinical setting are eligible for admission. It is the responsibility of the student to meet the physical/mental requirements for state licensure. Satisfactory background search, drug screen and fingerprinting are also required.

OCCUPATIONAL OBJECTIVES: Employment opportunities for the graduate nurse include, but are not limited to hospitals, long-term facilities, clinics, home health, health departments, physicians' offices, day care centers, civil service, military service, industry, private duty and community health services.

ADMISSION REQUIREMENTS: Requirements for admissions to the LPN to ADN Transition are specific and admission is selective and competitive. All admission requirements must be completed in order to be considered in the selection process. In all cases, the recommendation of the selection committee is the final determinant for admission to the nursing program.

1. Application to Lord Fairfax Community College
2. High school diploma or GED – Official transcripts must be forwarded to the Office of Health Professions
3. Completion of LFCC placement tests in mathematics, reading and writing skills (if required) and any recommended developmental course work
4. Completion of:
 - High school algebra, MTH 03 or MTH 126 with a minimum grade of C

- High School chemistry or CHM 110 or CHM 101 with a minimum grade of C
- High school biology or BIO 101 with a minimum grade of C

5. Completion of application for admission to the Associate Degree Nursing Program
6. Official transcripts documenting graduation from an approved practical nursing program and evidence of a current unrestricted license in the Commonwealth of Virginia
7. Completion of all prerequisite courses with a grade of C or better by the end of the spring semester preceding NUR 221
8. Evident of computer competency exam, completion of ITE 115 or IC³ test and must be passed with a minimum of a C grade.

PREREQUISITE COURSES

Course#	Title	Credits
*SDV 101	College Success Skills for Health Professions	1
ENG 111	College Composition	3
CST 100	Principles of Public Speaking	3
PSY 230	Developmental Psychology	3
SOC 200	Principles of Sociology	3
**PHI 220	Ethics	3
BIO 141	Anatomy & Physiology I	4
BIO 142	Anatomy & Physiology II	4
BIO 150	Microbiology	4
NUR 115	LPN to ADN Transition	2
NUR 226	Health Assessment	3

*Students must enroll in NUR 115 (LPN Transition) and NUR 226 (Health Assessment) during the summer semester prior to enrolling into the transition nursing program. NUR 115 may be substituted for SDV 101.

**Students transferring credits from another college may substitute the following courses for PHI 220 requirement: ART 101, 102; ENG 242, 243, 244, 251, 252; HUM 100, 201, 202; MUS 121, 122; PHI 101, 225, 226, 227; REL 231, 232; CST 151, 152; Foreign Languages, including American Sign Language.

PROGRAM REQUIREMENTS:

Failure to meet requirements will be cause for administrative withdrawal of the student from the nursing program.

1. Physical history and examination – upon admission to the ADN Program. All applicants must be free of any physical and/or mental condition which might adversely affect their performance as nurses. All nursing students must complete a psychological screening.

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Associate of Applied Science Degree: LPN Transition

	<u>Course#</u>	<u>Title</u>	<u>Credits</u>
2. Completion of all required immunizations			
3. CPR Certification as a Health Care Provider (to include adult, infant, and child)			
	First Semester (Summer)		
	NUR 115	LPN Transition	2
	NUR 226	Health Assessment	3
4. Professional nursing student liability insurance as an LPN and as an RN student		Total	5
	Second Semester (Fall)		
5. Completion of criminal background search, fingerprinting and drug screen as required and to the satisfaction of affiliating clinical agencies	NUR 221	Second Level Nursing Principles & Concepts I	9
	NUR 180	Essentials of Material/Newborn Nursing	3
6. Completion of all program requirements with a minimum grade of C in all general education and nursing courses including a required preceptorship during NUR 222		Total	12
	Third Semester (Spring)		
	NUR 222	Second Level Nursing Principles & Concepts II	9
7. Transportation to and from the College and agencies used for clinical experiences	NUR 255	Nursing Organization & Management	2
		Total	11
8. Student is responsible for all fees charged for required testing, uniforms, books and criminal background search and drug screen.		Program Total	28
9. Strict adherence to attendance and performance policies for classroom and clinical courses			
10. NUR 115 (2 credits) and NUR 226 (3 credits) are required of all Transition students the semester prior to entering the program.			
11. Sign an agreement which releases all clinical agencies and their employees, Lord Fairfax Community College, the Virginia Community College System and the Commonwealth of Virginia from any liability for any injury or death to the student or damage to her/his property arising out of agreement of use of facilities associated with a nursing program			

FULL-TIME VERSUS PART-TIME: The LPN to ADN Transition Program may be taken on a part-time basis. Students who must work or manage other responsibilities are encouraged to consider this option. All students have a total of two years to complete the program, which begins from the date of curricular enrollment. All part-time students must be enrolled in one course per semester to remain part time.

ACCREDITATION STATUS: The Associate Degree Nursing Program is approved by the Virginia Community College System and the Virginia Board of Nursing.

Associate of Applied Science Degree in Dental Hygiene (VWCC)

AREA: Dental Hygiene

DEGREE: Associate of Applied Science Degree in Dental Hygiene (VWCC)

LENGTH: Five semesters program

PURPOSE: The curriculum is designed to prepare students as primary preventive oral health professionals licensed to practice dental hygiene. Upon successful completion of the program, graduates will be eligible to take national, regional, and state board examinations leading to licensure as a registered dental hygienist (RDH).

Note: Individuals who have a felony or misdemeanor conviction may not be allowed to take the licensing exam. This decision is made by the Virginia Board of Dentistry. For questions regarding this issue, call Virginia Board of Dentistry 804-367-4538.

Accreditation status: The program has been accredited by the Commission on Dental Accreditation of the American Dental Association, a specialized accrediting body recognized by the United States Department of Education.

Occupational objectives: A dental hygienist may practice in any of the following settings:

- Dental offices and dental clinics
- Federal, state, and local health departments
- Hospitals and nursing homes/home health organizations
- School districts or departments of education
- Educational programs for dental, dental hygiene, and dental assisting students
- Correctional facilities
- Private and public facilities for pediatric, geriatric, and other individuals/groups with special needs
- Health maintenance organization/managed care organizations.

Admission Requirements: Applicants must meet the general admission requirements for admission to both VWCC and LFCC. For application materials and additional program information, please see our Health Technology web site at:
<http://www.viriniawestern.edu/ht/dental>.

Applicants to the Dental Hygiene program must have completed the following:

1. One unit each of high school or college biology and chemistry;
2. Completion of BIO 141-142, Anatomy and Physiology with a grade of “C” or better by the end of the spring 2012 semester;
3. Algebra II or college equivalent. Students who have

not completed Algebra I or Algebra II in high school with a grade of “C” or better will be required to take the placement test. Those who do not place above Algebra I (MTH 3) and into Algebra II (MTH 4) or higher on placement test will be required to take developmental courses.

4. A grade of “C” or better is necessary in required high school/college units of math and science.

Prerequisites must be completed prior to summer 2012.

The applicant’s high school or college (if applicable) cumulative grade point average (GPA) must be at least 2.5 and is based on at least 12 credit hours of college in a 12-month timeframe. The GPA is determined at the end of fall semester prior to admission. Priority consideration will be given to applicants with a cumulative high school and/or college grade point average of 3.0 or above.

All qualified applicants must take the HOBET test.

Admission Procedures: The Dental Hygiene program is open to qualified male or female applicants. Admission to the VWCC-LFCC joint venture distance program site in Middletown is offered to qualified applicants on a biennial basis during even-numbered years. Deadline for submitting complete application materials is February 15 for the upcoming academic year. If the number of qualified applicants falls below the maximum enrollment, the application deadline may be extended. Applicants should be aware that meeting the curriculum admission standards does not guarantee program admission. Applicants will be notified in writing of the action taken by the Dental Hygiene Admissions Committee in May. To qualify for consideration by the Dental Hygiene Admissions Committee, the applicant must submit a complete application which includes the following:

- Application to VWCC and, if applicable, the Joint Venture College;
- Dental Hygiene Program Application;
- Official transcripts of high school and all colleges attended. (Transcripts from VWCC and other Virginia community colleges are not required);
- Official record showing completion of GED, SAT/ACT scores (if applicable as noted above);
- Two letters of recommendation and two forms of evaluation from employers/former teachers using the format provided by VWCC. See the website at: <http://www.viriniawestern.edu/ht/dental>.

It is required that applicants submit official high school transcripts, GED with scores, and all official college transcripts in one envelope to the VWCC Health Technology Information Office along with the VWCC application. Applicants are encouraged to apply early and see the VWCC Web site for information, evaluation, and

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advising regarding the program. Qualified applicants must complete the HOBET (Health Occupation Basic Entrance Test) at their own expense, which is nonrefundable, and be interviewed by the Dental Hygiene faculty.

It is strongly recommended that applicants with no dental assisting experience observe a dental hygienist for a minimum of one full workday to obtain a realistic view of the profession prior to application.

In addition to normal student expenses (tuition, books, etc.) the Dental Hygiene Program requires an expenditure of over \$4,900 during the two-year program for uniforms, instruments, and special supplies. More than \$3,500 will be needed at the beginning of the first semester.

VWCC-LFCC Policy on infectious disease status:

Applicants who believe they are at risk of contracting an infectious disease should seek testing and counseling prior to making application to the dental hygiene program. Students engaged in patient care activities are encouraged to know their HIV and HBV status. Applicants who are HIV or HBV positive may wish to reconsider their career goals. They must consider:

1. The possibility they may become disabled during their dental education or early in their career;
2. The infectious hazards that certain aspects of dental practice may pose;
3. The possibility of barriers to training in certain invasive clinical activities that may be imposed while in dental hygiene school because of possible hazards to patients;
4. The cost of dental education given personal health and career uncertainties.

CURRICULAR ADMISSIONS STANDARDS

Applicants to the Dental Hygiene Program must have completed the following:

Four units of high school English

One unit each of high school or college biology and chemistry

Algebra II or college equivalent

****A grade of C or better is necessary in required high school/college units of math and science.***

The applicant's high school or college (if applicable) cumulative GPA must be at least 2.5 and is based on 12 credit hours of college credit in a 12-month timeframe. The GPA is determined at the end of the fall semester. Priority consideration will be given to applicants with a cumulative high school and/or college GPA of 3.0 or above. Applicants who are currently enrolled in high school must submit SAT or ACT scores. Priority consideration will be given to applicants with a combined

(total) score of 900 on the SAT or a composite score of 18 or above on the ACT. Applicants who graduated from high school more than five years prior to date of application who have not attempted any college work will not be required to submit SAT/ACT scores. All applicants must take the health occupations basic entrance test (HOBET).

ESSENTIAL DENTAL HYGIENE FUNCTIONS

To successfully complete the clinical component of the program, the student must be able to perform all of the essential functions of a dental hygienist:

1. Communicate satisfactorily with clients, physicians, peers, family members and the health care team
2. See and hear adequately to note slight changes in the client's condition
3. Hear adequately to perceive and interpret various equipment signals
4. Demonstrate adequate eye/hand coordination for dexterity in manipulation of hand instruments and other equipment used in clinical practice
5. Use hands for fine manipulation
6. Manage the care of a client in a sudden emergency, including one-man CPR when necessary
7. Possess the visual acuity to correctly read handwritten orders, medication records, chart contents and provide safety for clients
8. Read, comprehend and apply knowledge from complex science and dental science texts

Despite the foregoing, a qualified person with a disability who can perform these essential functions with reasonable accommodation will be considered for admission along with other qualified applicants.

CLINICAL ENVIRONMENT: The applicants should realize that student dental hygienists are, by nature of the profession, exposed regularly to highly stressful and demanding situations, and organizational and time pressures in a variety of client care settings. In addition, student and practicing dental hygienists are routinely exposed to blood and body fluids.

ACADEMIC ENVIRONMENT: The academic environment is focused heavily on the sciences. Extensive reading is required in all classes, and courses are science based and academically challenging. Ability to apply knowledge and concepts across courses and the curriculum is necessary to master material. The ability to read and understand complex/scientific material is crucial to success, as is the ability to analyze written matter and express yourself coherently in written form. Applicants

with weaknesses in reading, vocabulary, written expression and conceptualization are strongly urged to strengthen these areas prior to seeking admission. It is recommended that a medical terminology course be taken prior to admission.

STUDENT RESPONSIBILITIES AFTER ACCEPTANCE INTO THE PROGRAM:

1. Admission is contingent upon a satisfactory medical examination indicating good general health. The medical examination must include evidence of a PPD skin test (or chest x-ray, and serology for the Hepatitis B surface antigen and antibody). The Heptavax vaccine is required. All documentation must be submitted to the head of the Dental Hygiene Program no later than August 1 in order for the student to continue in the program.
2. Current certification in health care provider cardiopulmonary resuscitation (CPR) is required for both years of the program. No substitutions are accepted. Students are responsible for providing their own malpractice insurance coverage during the two years of the program. Insurance is available for purchase after admission to the program. This policy is nonrefundable. All documentation must be submitted to the head of the Dental Hygiene Program no later than August 1 in order for the student to continue in the program.
3. All students admitted to the Dental Hygiene Program must attend dental hygiene orientation, register for all classes and pay their tuition prior to August 1. All students are required to purchase the instrument and supply kit, pay a lab usage fee and are expected to order uniforms at orientation. If a student withdraws from the program, the kit is nonrefundable.
4. Students admitted to the program with academic contingencies in biology, chemistry or algebra must provide documentation of satisfactory completion of the contingency prior to the beginning of fall classes. Failure to meet a stated contingency will result in admission being rescinded.
5. All students admitted to the program without prior experience in the dental field (chair-side dental assisting) are required to observe dental and dental hygiene procedures in the dental office of their choice. The observation experience must be completed by August 1. Assistance in locating practitioners willing to provide observation experience may be provided by the Dental Hygiene Program upon admission.
6. Students in the program are responsible for transportation to and from agencies utilized for clinical and community health rotation experiences.

7. Acceptance into the Program is contingent upon a satisfactory annual criminal background check and annual negative drug screening test. Satisfactory completion of this is required for license eligibility. Costs of the tests are the responsibility of the student.

POLICY FOR ACADEMIC RETENTION:

Continuation in the program: Satisfactory progress is demonstrated by achieving a grade of “C” or better in required dental hygiene and natural science courses. Students must satisfactorily complete NAS 185/BIO 150 with a grade of C or above before progressing to the second year of the program. Students must complete required dental hygiene courses in sequence. Should a student receive a grade of “D” in any dental hygiene didactic course or didactic component of a clinical or laboratory course, or the laboratory component of a preclinical or didactic course, the student will be dropped from the program and must reapply for admission. Should a student receive a grade of “D” in the clinical component of DNH 142, 190, 244 or 245 due to failure to meet minimum clinical requirements for the semester, the student may progress to the next semester of the program with faculty approval and will have additional patient requirements for graduation added. Two consecutive “D” grades in these clinical courses may result in the student being dropped from the program.

READMISSION: Readmission to the program will be based upon academic performance and adherence to the program policies regarding attendance and professionalism and will be contingent upon available laboratory/clinical space. Readmission is not guaranteed. Students who have been dropped must submit a written application for readmission to the program head no later than January 1 for the following fall semester, no later than April 1 for the following spring semester and no later than August 1 for the following summer session. The program head will present the readmission request to the faculty for consideration. Students applying for readmission will be notified of their admission status in writing.

Students readmitted to the program are eligible to repeat a course only once, and a dental hygiene course must be repeated during the semester in which it is offered. The student may not continue with other required dental hygiene courses until the course is repeated. Students earning a grade of “F” in any dental hygiene course will be dropped from the program and are ineligible for readmission unless there are extenuating circumstances (serious illness or death of an immediate family member).

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Associate of Applied Science Degree in Dental Hygiene (VWCC)

CURRICULUM AND OTHER REQUIREMENTS
GENERAL EDUCATION CORE COURSES

BIO 141-142*	Human Anatomy & Physiology I-II	8
ENG 111*	College Composition I	3
NAS 185*	Microbiology	4
PSY 230	Developmental Psychology	3
SDV 100 or 101	College Success Skills	1
E ³	Humanities/Fine Arts Elective	3

DENTAL HYGIENE COURSES

DNH 111	Oral Anatomy	2
DNH 115	Histology/Head & Neck Anatomy	3
DNH 120	Management of Emergencies	2
DNH 130	Oral Radiography for Dental Hygienist	2
DNH 141-142*	Dental Hygiene I-II	10
DNH 145*	General and Oral Pathology	2
DNH 146	Periodontics for the Dental Hygiene	2
DNH 1501	Nutrition	2
DHN 190*	Coordinated Practice	3
DNH 2142	Practical Materials for Dental Hygienist	2
DNH 216	Pharmacology	2
DNH 226-227 ²	Public Health Dental Hygiene I-II	3
DNH 230	Office Practice and Ethics	1
DNH 235*	Manage of Dental Pain & Anxiety	2
DNH 244-245*	Dental Hygiene IV-V	10
Total Minimum Credits for Degree		70

¹Health and wellness are emphasized throughout the dental hygiene program, but specifically in DNH 150 Nutrition.

²Includes instruction in fundamental mathematical skills.

³Humanities/Fine Arts elective must be chosen from the "Approved List of Humanities Transfer Courses." If planning on transfer, contact the four-year institution for requirements.

*This course has a prerequisite. Prerequisites for all courses are listed in the course description section of the catalog.

SUGGESTED SCHEDULE

FIRST YEAR

FALL	SPRING	SUMMER
DNH 111	DNH 142	DNH 150
DNH 115	DNH 145	DNH 190
DNH 120	DNH 146	ENG 111
DNH 141	NAS 185	
SDV 100 or SDV 101		

SECOND YEAR

FALL	SPRING
DNH 214	DNH 227
DNH 226	DNH 230
DNH 235	DNH 245
DNH 244	Humanities/Fine Arts Elective
PSY 230	

NOTE: BIO 141 and BIO 142 must be completed by the spring semester prior to program entry. Support courses (non-DNH courses) may be taken prior to entry. BIO 141, BIO 142, and NAS 185 must be repeated if they were

completed more than five years prior to the date of admission into the program.

<u>Course#</u>	<u>Title</u>	<u>Credits</u>
First Semester		
BIO 141	Human Anatomy and Physiology I ¹	4
DNH 111	Oral Anatomy	2
DNH 115	Histology/Head and Neck Anatomy	3
DNH 120	Management of Emergencies	2
DNH 141	Dental Hygiene I	5
SDV 108	College Success Skills (or SDV 100)	1
Total		17
Second Semester		
BIO 142	Human Anatomy and Physiology II ²	4
DNH 216	Pharmacology	2
DNH 142	Dental Hygiene II	5
DNH 145	General and Oral Pathology	2
DNH 146	Periodontics for the Dental Hygienist	2
ENG 111	College Composition	3
Total		18
Third Semester		
BIO 150	Microbiology	4
DNH 130	Oral Radiography for the Dental Hygienist	2
DNH 190	Coordinated Practice	3
DNH 150	Nutrition ³	2
Total		11
Fourth Semester		
DNH 214	Practical Materials for Dental Hygiene ⁴	2
DNH 226	Public Health Dental Hygiene I	2
DHN 235	Management of Pain and Anxiety Control in the Dental Office	2
DNH 244	Dental Hygiene IV	5
PSY 230	Developmental Psychology ⁵	3
Total		14
Fifth Semester		
DNH 227	Public Health Dental Hygiene II	1
DNH 230	Office Practice and Ethics	1
DNH 245	Dental Hygiene V	5
	Humanities/fine arts elective ⁶	3
Total		10
Program Total		70

¹NAS 161 – Health Science I may be substituted for BIO 141.

²NAS 162 – Health Science II may be substituted for BIO 142.

³Health and Wellness are emphasized throughout the dental hygiene program but specifically in DNH 150 nutrition.

⁴Includes instruction in fundamental mathematical skills.

⁵PSY 231 and PSY 232 may be substituted for PSY 230.

⁶Humanities/Fine Arts elective must be chosen from the "Approved List of Humanities Transfer Courses" starting on page 50.

*Support courses (non-DNH courses) may be taken prior to entry

Note: BIO 142, BIO 142, and NAS 185 must be repeated if they were completed more than five years prior to the date of admission into the program.

Certificate in Health Science

AREA: Health Science
Certificate

LENGTH: Two semesters (30 credits)

PURPOSE: The Health Science Certificate is designed to create a pathway into a Health related Profession. Successful completion of this certificate will strengthen the academic record of students applying for the nursing program, dental hygiene program, surgical technology, practical nursing as well as future health related programs.

OCCUPATIONAL OBJECTIVES: creates a pathway into a health related profession; such as, nursing, dental hygiene, emergency medical services, phlebotomy, surgical technology, medical billing and coding or medical secretary.

PROGRAM REQUIREMENTS: The Health Science Certificate consists of 30 credits and serves as a guide for preparing the student to enter a health professions program.

Course#	Title	Credits
SDV 101	Orientation to Health Professions	1
ENG 111	College Composition I	3
BIO 141	Anatomy and Physiology I	4
BIO 142	Anatomy and Physiology II	4
BIO 150	Microbiology	4
Electives ¹		14
	Total	30

¹Electives: selected from PSY 230, SOC 200, SOC 207, MTH 126, PHI 200, PHI 227, CST 100, HIM 111, HLT 130

Certificate in Medical Billing/Coding

AREA: Medical Billing/Coding
Certificate

LENGTH: Three semesters (one-year) program

PURPOSE: With an increasing demand for medical insurance billing and coding workers in professional offices in Virginia, this certificate will prepare individuals for full-time employment upon completion of the program. The program is beneficial for individuals who are seeking first-time employment, career advancement or national coding certification.

OCCUPATIONAL OBJECTIVES: medical billing assistant, medical coder or medical insurance specialist

PROGRAM REQUIREMENTS: The program prepares the student to fill medical billing and coding positions and provides fundamental knowledge and skills associated with insurance billing and coding. The curriculum includes courses in college composition, medical coding and reimbursement, and medical office bookkeeping and insurance. Prior to internships or student employment, satisfactory completion of criminal background search and drug screen may be required. Upon satisfactory completion of the program, the graduate will be awarded a certificate in medical billing/coding.

Course#	Title	Credits
First Semester		
AST 102	Keyboarding II ¹	3
or		
AST 141	Word Processing I ²	
BIO 100	Basic Human Biology	3
HIM 111	Medical Terminology I	3
SDV 100	College Success Skills	1
or		
	SDV 101 Orientation to Health Professions	
Total		10
Second Semester		
ENG 111	College Composition I	3
HIM 112	Medical Terminology II ³	3
HIM 253	Health Records Coding ⁴	4
MDA 206	Medical Office Bookkeeping and Insurance	4
Total		14
Third Semester		
AST 205	Business Communication	3
AST 206	Professional Development ¹	3
HIM 254	Advanced Coding & Reimbursement ⁵	4
PHI 227	Bio-Medical Ethics	3
(or PHI 220)		
Total		13
Program Total		37

Note: Internship opportunities and a national CPC certification exam may be available to certificate students/graduates.

¹Keyboarding skill is required. Corequisite: AST 101 or equivalent skill

²Prerequisite: AST 102 or equivalent skill

³Prerequisite: HIM 111

⁴Prerequisite: HIM 111, PNE 155 and corequisite MDA 206

⁵Prerequisite: HIM 253

Certificate in Medical Secretary/Transcription

AREA: Medical Secretary/Transcription Certificate

LENGTH: Two semesters (one-year) program

PURPOSE: With an increasing demand for medical office assistants in Virginia, this certificate will prepare individuals for full-time employment upon completion of the community college program. The program is beneficial for individuals who are seeking first-time employment, career advancement or national certification.

OCCUPATIONAL OBJECTIVES: medical office assistant, medical reception, medical secretary, medical transcription or ward clerk

PROGRAM REQUIREMENTS: This program prepares the student to fill medical office assistant, medical secretary and medical transcription positions, and provides fundamental knowledge and skills associated with these medical careers. The curriculum includes courses in transcription, office technology, body structure and function and bio-ethics. Upon satisfactory completion of the program, the graduate is awarded a certificate in medical secretary/transcription.

Course#	Title	Credits
First Semester		
AST 215	Medical Keyboarding ¹ or AST 102 Keyboarding II ¹	3
AST 271	Medical Office Procedures I ² or AST 243 Office Administration I ²	3
BIO 100	Basic Human Biology	3
ENG 111	College Composition I	3
HIM 111	Medical Terminology I	3
PHI 227	Bio-Medical Ethics (or PHI 220)	3
SDV 100	College Success Skills or SDV 101 Orientation to Health Professions	1
Total		19
Second Semester		
AST 107	Editing and Proofreading Skills ¹	3
AST 141	Word Processing I ²	3
AST 206	Professional Development	3
AST 245	Medical Machine Transcription ³	3
HIM 112	Medical Terminology II ³	3
HIM 230	Information Systems and Technology in Health Care or AST 230 Introduction to Office Technology	3
Total		18
Program Total		37

Note: Internship opportunities and a national CPC certification exam may be available to certificate students/graduates.

¹Prerequisite: AST 101 or equivalent skill

²Prerequisite: AST 102 or equivalent skill

³Prerequisite: HIM 111

Certificate in Practical Nursing

AREA: Practical Nursing
Certificate

LENGTH: Three semesters (one-year) program.

PURPOSE:

The Practical Nursing curriculum is designed to prepare beginning practitioners with the knowledge and skill to care for patients of all age groups and to qualify as contributing members of the health care team. Students who successfully complete the curriculum are awarded a certification in practical nursing and are eligible to apply to take the National Council Licensure Examination (NCLEX-PN) leading to a license as a practical nurse.

Practical Nursing is an academically rigorous program. The Practical Nursing Program is open to men and women who provide evidence of interest, motivation, and aptitude in the area of health care. Students shall be selected on the basis of established criteria and without regard to age, race, creed, sex, or national origin. Students with disabilities who meet the admission requirements, including a medical history and physical examination signed by a physician stating that the student is able to perform as a student nurse in a clinical setting are eligible for admission.

OCCUPATIONAL OBJECTIVES: Opportunities for the Licensed Practical Nurse (L.P.N.) include employment in hospitals, nursing homes, clinics, day-care centers, Civil Service, doctors' offices, rehabilitation facilities, industry, the military, home health, and private duty nursing.

ADMISSION REQUIREMENTS:

In addition to the general admission requirements established for the College, entry into the Practical Nursing program requires:

1. Application to Lord Fairfax Community College (LFCC)
2. Completion of specific Practical Nursing Program admission requirements
3. High School diploma or GED- official transcripts must be forwarded to the Office of Admissions.
4. Completion of appropriate placement tests in reading, writing, and mathematics (if needed) offered by the College, and any recommended developmental course work
5. Completion of the Test of Essential Academic Skills (TEAS)
6. Evidence of computer competency, completion of ITE 115 or successful completion of IC³ test

All admission requirements must be completed prior to the selection process. In all cases, the recommendation of the admissions committee is the final determinant for admission to the Practical Nursing Program. It is the responsibility of the student to meet the requirements for state licensure.

The nursing law of Virginia addresses criteria for application for licensure. The Virginia Board of Nursing has the power to deny opportunity to procure license through testing if the applicant has willfully committed a felony/misdemeanor under the laws of the Commonwealth of Virginia or of the United States. Any student entering the nursing program who has committed any illegal offenses other than minor traffic violations is encouraged to discuss these matters with the Virginia Board of Nursing for clarification prior to admission. Some health care facilities may not employ individuals who have committed certain criminal acts and may conduct criminal background checks before hiring potential employees.

PROGRAM REQUIREMENTS:

Upon acceptance into the PN Program, the following requirements are the responsibility of the student:

1. Completion of a physical examination and all required immunizations. Applicants must be free of any physical and/or mental condition which might adversely affect their performance as nurses
2. Current certification in CPR (American Heart Association CPR for Health Care Provider (adult, infant and child))
3. Completion of criminal background search, fingerprinting, drug screen and psychological screening as required and to the satisfaction of affiliating clinical agencies
4. Complete a minimum of 48 credits with a C average or better in all courses
5. Demonstrate satisfactory attendance and performance in the nursing clinical areas
6. Be responsible for transportation to classes and to agencies used for clinical experience
7. All fees charged for required testing, liability insurance, uniforms, books, criminal background search, drug screen and physiological screening
8. Sign an agreement which releases all clinical agencies and their employees, Lord Fairfax Community College, the Virginia Community College System and the Commonwealth of Virginia from any liability for any injury or death to the student or damage to her/his

Certificate in Practical Nursing

9. property arising out of agreement or use of facilities associated with the Practical Nursing Program

Program of Study

The Practical Nursing program is approved by the VCCS and the Virginia Board of Nursing.

Course#	Title	Credits
First Semester (fall)		
BIO 100	Basic Human Biology	3
ENG 111	College Composition I**	3
PNE 161	Nursing in Health Changes I	6*
PNE 174	Applied Pharmacology for Nurses	2*
PSY 230	Developmental Psychology	3
SDV 101	Orientation to Health Professions ¹	1
	Total	18

* Formal Acceptance into the Practical Nursing Program is required before registering for these classes

**ENG 111, BIO 100 or BIO 141 & BIO 142 & PSY 230 MUST BE completed with a "C" or better before enrolling in the Spring Semester PNE Courses

Second Semester (spring)

HLT 130	Nutrition and Diet Therapy	2
PNE 195	Care of Maternal Newborn and Pediatric Patients	4
PNE 162	Nursing in Health Changes II***	11
	Total	17

***PNE 162 is a Prerequisite for PNE 145, 158, 164, & 175

Third Semester (summer)

PNE 145	Trends in Practical Nursing	1
PNE 158	Mental Health/Psychiatric Nursing	1
PNE 164	Nursing in Health Changes IV	10
PNE 175	Introduction to Supervision & Management for Practical Nurses	1
	Total	13

Program Total **48**

*The following courses may be completed prior to acceptance into the Practical Nursing Program: SDV 101, ENG 111, BIO 100, PSY 230, HLT 130, and a PED elective.

TRANSFER STUDENTS

Students who wish to transfer into the LFCC Practical Nursing Program are considered on a space-available basis. The following requirements must be satisfied in order for a student to be eligible for transfer into the program:

- Student must be in good standing with the current nursing program and eligible to continue during the next academic semester without any open issues of clinical competency, academic performance or student conduct.
- LFCC Practical Nursing Program entrance requirements must be satisfied.
- LFCC Practical Nursing general education requirements must be satisfied to the point of the curriculum at which the student requests transfers (e.g., second semester, third semester, etc.).
- Transfer and substitutions of nursing courses are subject to faculty evaluation of course syllabi and approval by the program leader; a minimum of 80% content overlap is required. The student must then validate knowledge retention with a grade of 80% or better on a faculty constructed comprehensive exam, and clinical competencies via laboratory and/or clinical experiences.

Certificate in Surgical Technology (PVCC)

AREA: Surgical Technology Certificate

LENGTH: Three semesters (one year)

PURPOSE:

The Surgical Technology Program of LFCC is provided through a partnership with Piedmont Virginia Community College (PVCC) in cooperation with Winchester Medical Center and other area hospitals. The 12-month certificate program is academically rigorous and offers educational components in the classroom and clinical laboratory environment.

Surgical technologists are integral members of the surgical team who work closely with surgeons, anesthesiologists, registered nurses and other personnel delivering patient care before, during and after surgery. Upon completion of the Surgical Technology Program, the graduate will demonstrate the following entry-level competencies:

- Exhibit professional behaviors and skills in the surgical environment
- Utilize effective verbal and written communication
- Exhibit caring interventions to the client and members of the health care team
- Participate in collaborative care

ADMISSION REQUIREMENTS:

In addition to the general admission requirements established for the College, entry into the Surgical Technology Program requires:

1. Completion of both LFCC and PVCC application for admission
2. High school diploma or GED – Official transcripts must be forwarded to the Admissions and Records Office at PVCC
3. Completion of LFCC placement tests in mathematics, reading and writing (if required), and any recommended developmental course work
4. Completion of high school chemistry, or CHM 101, with a grade of C or better
5. Completion of a PVCC Surgical Technology Program application
6. Completion of an operating room observational experience as scheduled by the Surgical Technology Program leader

Admission to the Surgical Technology Program is on a selective basis. Selection of students is based upon:

1. Completion of all admission requirements listed above
2. Consideration of the following factors in order of priority

For applicants with previous college experience:

- a. Surgical technology curricular GPA (applicants with curricular GPA below 2.0 will not be considered)
- b. Science GPA (BIO 141, BIO 142, BIO 150—applicants with curricular GPA below 2.0 will not be considered)
- c. Number of curricular courses (including science courses) completed.

For applicants with no previous college experience, high school graduates:

- a. GPA (applicants with a high school GPA below 2.0 will not be considered)
- b. Science GPA (applicants with a high school GPA below 2.0 will not be considered)

For applicants with no previous college experience, GED holders:

- a. Overall GED test score (applicants with an overall score of less than 58 will not be considered)
- b. Science GED test score (applicants with a science score of less than 58 will not be considered)

Applicants with high school GPAs below 2.0, or GED test scores below 58, are encouraged to enroll in the curricular general education courses to demonstrate ability to satisfactorily complete college-level work. These applicants will then be evaluated as “applicants with previous college work.”

All admission requirements must be completed prior to the selection process. In all cases, the recommendation of the admission committee is the final determinant for admission to the Surgical Technology Program.

PROGRAM REQUIREMENTS:

1. Completion of a physical examination for surgical technology students, including an eye examination and required immunizations. Students must be free of any physical and/or mental condition that might adversely affect their performance as surgical technologists. (Forms are mailed with letter of acceptance.)

Certificate in Surgical Technology (PVCC)

2. Students must have current certification in Cardiopulmonary Resuscitation (American Heart Association Health Care Provider Course). A copy of the CPR card must be provided to program faculty at the start of the fall term.
3. Demonstrate satisfactory attendance and performance in the classroom and clinical areas
4. Be responsible for transportation to classes and to agencies used for clinical experience
5. Completion of all course requirements with a C average or better
6. Courses are to be completed sequentially
7. Signed release and receipt forms as required throughout the program

ACCREDITATION STATUS: The Surgical Technology Program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP).

<u>Course#</u>	<u>Title</u>	<u>Credits</u>
First Semester		
HIM 111	Medical Terminology	3
BIO 141	Anatomy & Physiology I	4
SUR 140	Introduction to Surgical Care	4
SUR 145	Fundamentals of Surgical Care I	4
HLT 105	Cardiopulmonary Resuscitation	1
	Total	16
Second Semester		
BIO 142	Anatomy & Physiology II	4
SUR 250	Surgical Pharmacology	2
SUR 210	Surgical Procedures	8
SDV 101	Orientation for Health Professions ¹	1
	Total	15
Third Semester		
ENG 111	College Composition I	3
BIO 150	Microbiology	4
SUR 254	Professional Issues in Surgical Technology	1
SUR 260	Surgical Technology Clinical Practicum	5
	Total	13
	Program Total	44

¹SDV 100 may be substituted for SDV 101.

Career Studies Certificate: Emergency Medical Technician

AREA: Emergency Medical Technician – Enhanced

EMT certificate courses must be taken in the prescribed sequence, which begins only in the spring semesters. Interested students should apply to the Division of Science and Health Professions at the Middletown Campus at least six weeks before classes start in order to complete required background screening, health forms and program applications. Seating is limited, and priority seating is given to residents of the LFCC service region.

Course#	Title	Credits
First Semester		
EMS 111	Emergency Medical Technician	6
EMS 120	EMT-Basic Clinical	1
EMS 151	Introduction to Advanced Life	4
EMS 170	ALS Internship	1
	Total	12

AREA: Emergency Medical Technician-Intermediate

EMT certificate courses must be taken in the prescribed sequence, which begins only in the spring semesters. Interested students should apply to the Division of Science and Health Professions at the Middletown Campus at least six weeks before classes start in order to complete required background screening, health forms and program applications. Seating is limited; priority seating is given to residents of the LFCC service region.

Course#	Title	Credits
First Semester		
EMS 151	Introduction to Advanced Life Support	4
EMS 170	ALS Internship	1
	Total	5
Second Semester		
EMS 153	Basic ECG Recognition	2
EMS 155	ALS-Medical Care	4
	Total	6
Third Semester		
EMS 157	ALS-Trauma Care	3
EMS 159	ALS-Special Populations	2
EMS 172	ALS Clinical Internship	2
EMS 173	ALS Field Internship II	1
	Total	8
	Program Total	19

Career Studies Certificate: Phlebotomy

AREA: Phlebotomy

Phlebotomy certificate courses must be taken in the prescribed sequence. Interested student should apply to the Division of Business, Technology, Science and Health Professions at the Middletown campus, at least six weeks before classes start in order to complete required background screening, health forms, and program application. Students must have current certification in Cardiopulmonary Resuscitation (American Heart Association Health Care Provider Course). A copy of the CPR card must be approved by program faculty at the start of the fall term.

LENGTH: Two semesters (Fall and Spring)

PURPOSE: The phlebotomy program is designed to prepare students to work as entry-level phlebotomists. The curriculum includes learning experiences in both on-campus and College-affiliated clinical laboratories. The program includes student participation in over 100 hours of supervised, clinical experience in various health care settings. Lectures and laboratory courses are offered at the Middletown Campus only. Students complete clinical rotations in a variety of clinical facilities located throughout the College's service region. Phlebotomists work in hospitals, medical clinics, commercial medical laboratories, public health clinics and other settings where blood is collected from patients.

Admission Requirements:

1. Application to Lord Fairfax Community College
2. LFCC placement tests (if required) and completion of any developmental work (MTH 03, ENG 04, ENG 01) that may be identified by the placement tests. Student must place into MTH 4 and ENG 111 to satisfy requirements without taking remediation courses.
3. Graduation from high school or satisfactory completion of the certificate of general education development (GED); official copy required

PROGRAM REQUIREMENTS:

Course#	Title	Credits
First Semester		
MDL 105	Phlebotomy	3
HIM 111	Medical Terminology	3
PHI	Biomedical Ethics*	3
	Total	9
Second Semester		
MDL	Phlebotomy	3
Elective	Prior Approval**	3-4
	Total	7-8
	Program Total	16-17

*PHI 220 may be substituted for PHI 227.

**Approved electives include: BIO 100, 101, 141, 150; ENG 111 or 115; HIM 112, MTH 126; CHM 101 or 111.

Nursing Assistant

AREA: Nursing Assistant

The nursing assistant curriculum is designed to prepare individuals with the knowledge and skills to care for patients of all age groups and to qualify as contributing members of the health care team. Upon completion of the course, graduates are eligible to apply to take National Nurse Aide Assessment Program (NNAAP). This course includes 3 credits of lecture and 1 credit of lab.

LENGTH: One semester

OCCUPATIONAL OPPORTUNITIES: Opportunities for the Certified Nurse Aide (CNA) include employment in hospitals, nursing homes, clinics, day-care centers, doctors' offices, rehabilitation facilities, industry and private duty nursing.

CLASS STRUCTURE: The course includes both classroom lecture and campus lab skills practice. Following completion of the classroom and campus lab component, students will begin their clinical experience in an area nursing home. The clinical experience in the nursing home will be held during the regularly scheduled class time, plus additional scheduled clinical hours. Students are required by the Virginia Board of Nursing to complete all hours mandated for this course.

<u>Course#</u>	<u>Title</u>	<u>Credits</u>
NUR 27	Nurse Aide	4
	Total	4