

Faculty

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Recent years have witnessed an unparalleled expansion of knowledge in all facets of human endeavor. The area of life and health science has been well represented in this expansion and today occupies an extremely active segment of the scientific community. Indeed, the pace has been so rapid that entire new fields now provide opportunities nonexistent a few years ago.

It is imperative today that all students gain understanding and appreciation of the earth on which we live and the life it supports. Understanding scientific reasoning is crucial to the development of a student's critical capacities. Students also need wellness education. At a time when technology has increased the pace of life, knowing how to maintain physical health and well being becomes increasingly important. All of this places heavy responsibility on institutions of learning to provide current and relevant experiences so that each generation will be able to handle successfully the problems it will inherit. The Life and Health Science division at Northwest College strives to provide this experience.

Associate of Science Degree

Biology Department specializations in:

- Biology
- Natural Resource Biology
- Occupational Therapy
- Physical Therapy
- Pre-Optometry
- Pre-Pharmacy
- Pre-Professional Sciences

Health/Outdoor/Physical Education Department specializations in:

- Outdoor Education
- Physical Education

Nursing Department specialization in:

- Pre-Baccalaureate Nursing

Associate of Applied Science Degree

Nursing

One-Year Certificate Option

Practical Nursing

Biology

The study of biology includes courses designed to help students acquaint themselves with the structure and function of living organisms and to appreciate some of the ecological relationships existing in the world of life. The biology courses required in this specialization parallel those found at four-year institutions and should transfer without difficulty. Students must successfully complete core courses with a "C-" or better to meet specialization requirements. Recommended courses are designed to aid students in completing their four-year degrees. Students who are planning to transfer to a four-year program may need to have additional hours beyond the specialization requirements at Northwest College in order to transfer in as a junior. These students should consult with their advisor and the appropriate four-year college catalog.

Biology Education

For secondary education: to facilitate transfer to a four-year college as a junior, students planning to become middle school or high school biology teachers are encouraged to complete both the Secondary Education specialization and at least a specialization in the subjects they plan to teach. Consult your advisor every semester when selecting courses.

ASSOCIATE OF SCIENCE with specialization in BIOLOGY

General Education Requirements

Number and Title	Credits
Students should refer to the Graduation Requirements on pages 23-26	24-27

Four hours of Science are fulfilled by taking Core Courses

Core Courses

Number and Title	Credits
BIOL 1010—General Biology I	4
BIOL 2020—General Biology II	4
BIOL 2395—Biological Research: A Capstone Experience	1

Core Electives

Students must take three courses from the following list of approved courses.

Number and Title	Credits
BIOL 2200—Genetics	3
BIOL 2400—Ecology	3
BIOL 2410—Field Ecology Lab	4
BOT 2050—Taxonomy of Flowering Plants	4
MOLB 2210—General Microbiology	4
ZOO 2400—Vertebrate Natural History	4
TOTAL 20-21	

Transfer and General Electives selected in consultation with advisor

Recommended Transfer and General Electives

Track I and Track II courses are designed to fulfill degree requirements at different four-year institutions.

Track I

Students seeking a degree more advanced than a Bachelor of Science should pursue Track I.

Number and Title	Credits
CHEM 1020—General Chemistry I	4
CHEM 1030—General Chemistry II	4
CHEM 2320—Organic Chemistry I	4
CHEM 2340—Organic Chemistry II	4
MATH 1450—Precalculus Algebra and Trigonometry	5
MATH 2350—Business Calculus I	5
PHYS 1110—General Physics I	4
PHYS 1120—General Physics II	4
STAT 2005—Fundamentals of Statistics	3

Track II

Students stopping at an Associate of Science or Bachelor of Science Degree should follow Track II.

Number and Title	Credits
CHEM 1000—Introduction to Chemistry	5
CHEM 2300—Introduction to Organic Chemistry	4
MATH 1400—College Algebra	4
PHYS 1110—General Physics I	4
STAT 2005—Fundamentals of Statistics	3

Recommended General Electives for either Track

Number and Title	Credits
CO/M 1010 Public Speaking	3
ENGL 2017 Introduction to Research	3
PHIL 1100 Critical Thinking	3

MINIMUM CREDITS FOR DEGREE = 64

Natural Resource Biology

This specialization includes areas in **Environmental Biology, Forestry, Resource Management, and Wildlife Management**. The specialization of Natural Resource Biology provides course work concerning ecological communities, plant and animal studies, and the Geographic Information System. The courses required in this specialization parallel those found at four-year institutions and should transfer without difficulty. Students must successfully complete core courses with a "C-" or better to meet specialization requirements. Transfer courses are designed to aid students in completing their four-year degrees. Students who are planning to transfer to a four-year program may need to have additional hours beyond the specialization requirements at Northwest College in order to transfer in as a junior. These students should consult with their advisor and the appropriate four-year college catalog.

ASSOCIATE OF SCIENCE with specialization in NATURAL RESOURCE BIOLOGY

General Education Requirements

Number and Title	Credits
Students should refer to the Graduation Requirements on pages 23-26	24-27

Four hours of Science will be fulfilled by taking Core Courses.

Core Courses

Number and Title	Credits
BIOL 1010—General Biology I	4
BIOL 2020—General Biology II	4
BIOL 2400—Ecology	3
BIOL 2410—Field Ecology Lab.....	1
BIOL 2395—Biological Research: A Capstone Experience.....	1
BIOL 2310—Introduction to Geographic Information Systems	3

Core Electives

Students must take two courses from the following list of approved courses. Forestry students should take BOT 2050, Taxonomy of Flowering Plants and BOT 2100, Forest Management. Wildlife Management students should take ZOO 2400, Vertebrate Natural History and ZOO 2450, Wildlife Management.

Number and Title	Credits
BIOL 1080—Environmental Science	3
BOT 2050—Taxonomy of Flowering Plants	4
BOT 2100—Forest Management.....	3
ZOO 2400—Vertebrate Natural History.....	4
ZOO 2450—Wildlife Management	3
TOTAL	23-24

Transfer and General Electives selected in consultation with advisor

Recommended Transfer and General Electives

Track I and Track II courses are designed to fulfill degree requirements at different four-year institutions.

Track I

Students pursuing academic or research careers in Natural Resource Biology should follow Track I.

Number and Title	Credits
CHEM 1020—General Chemistry I	4
CHEM 1030—General Chemistry II	4
CHEM 2320—Organic Chemistry I	4
CHEM 2340—Organic Chemistry II	4
MATH 1450—Precalculus Algebra and Trigonometry	5
MATH 2350—Business Calculus I	5
PHYS 1110—General Physics I	4
PHYS 1120—General Physics II	4
STAT 2005—Fundamentals of Statistics	3

Track II

Students pursuing careers in the management or administration of natural resources should follow Track II.

Number and Title	Credits
CHEM 1000—Introduction to Chemistry.....	5
CHEM 2300—Introduction to Organic Chemistry	4
MATH 1400—College Algebra.....	4
PHYS 1110—General Physics I	4
STAT 2005—Fundamentals of Statistics	3

General Electives for either Track

CO/M 1010 Public Speaking	3
PHIL 1100 Critical Thinking	3
POLS 2410 Introduction to Public Administration	3
RGMG 2000 Principles of Range Management	3
SOIL 2100 Fundamentals of Soil Science	3

MINIMUM CREDITS FOR DEGREE = 64

Occupational Therapy and Physical Therapy

The courses required for these specializations parallel those found at four-year institutions and should transfer without difficulty. Students must successfully complete core courses with a "C-" or better to meet specialization

requirements. Students who are planning to transfer to a four-year program may need to have additional hours beyond the specialization requirements at Northwest College in order to transfer in as a junior. These students should consult with their advisor and the appropriate four-year college catalog.

ASSOCIATE OF SCIENCE with specialization in OCCUPATIONAL THERAPY

General Education Requirements

Number and Title	Credits
Students should refer to the Graduation Requirements on pages 23-26	24-27

Four hours of Science and three hours of Social Science are fulfilled by taking Core Courses.

Core Courses

Number and Title	Credits
BIOL 1010—General Biology I	4
ZOO 2010—Human Anatomy and Physiology I	4
ZOO 2020—Human Anatomy and Physiology II	4
CHEM 1000—Introduction to Chemistry or CHEM 1020—General Chemistry I	4-5
PSYC 1000—General Psychology or SOC 1000—Sociological Principles	3-4
BIOL 2395—Biological Research: A Capstone Experience.....	1
TOTAL	20-22

Transfer and General Electives selected in consultation with advisor

Recommended Transfer and General Electives

Number and Title	Credits
CO/M 1010—Public Speaking	3
ENGL 2017—Introduction to Research	3
MATH 1400—College Algebra.....	4
NRST 1200—Medical Terminology	1
STAT 2005—Fundamentals of Statistics	3

MINIMUM CREDITS FOR DEGREE = 64

**ASSOCIATE OF SCIENCE
with specialization in
PHYSICAL THERAPY**

General Education Requirements

Number and Title	Credits
Students should refer to the Graduation Requirements on pages 23-26	24-27

Four hours of Science are fulfilled by taking Core Courses.

Core Courses

Number and Title	Credits
BIOL 1010—General Biology I	4
BIOL 2020—General Biology II	4
MOLB 2210—General Microbiology	4
ZOO 2010—Human Anatomy and Physiology I	4
ZOO 2020—Human Anatomy and Physiology II	4
BIOL 2395—Biological Research: A Capstone Experience.....	1
TOTAL 21	

Transfer and General Electives selected in consultation with advisor 16-19

Recommended Transfer and General Electives

Track I and Track II courses are designed to fulfill degree requirements at different four-year institutions.

Track I

Students who will attend four-year institutions offering graduate degrees (Master of Science) in physical therapy should follow Track I.

CHEM 1020—General Chemistry I	4
CHEM 1030—General Chemistry II	4
CHEM 2300—Introduction to Organic Chemistry	4
MATH 1450—Precalculus Algebra and Trigonometry	5
MATH 2350—Business Calculus I	5
PHYS 1110—General Physics I	4
PHYS 1120—General Physics II	4
STAT 2005—Fundamentals of Statistics	3

Track II

Students who will attend four-year institutions that offer no higher than a Bachelor of Science degree in physical therapy should follow Track II.

CHEM 1000—Introduction to Chemistry.....	5
CHEM 2300—Introduction to Organic Chemistry	4
MATH 1400—College Algebra.....	4
PHYS 1110—General Physics I	4
PHYS 1120—General Physics II	4
STAT 2005—Fundamentals of Statistics	3

Recommended General Electives for either Track

COM/M 1010—Public Speaking	3
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ENGL 2017—Introduction to Research	3
PHIL 1100—Critical Thinking	3
PSYC 1000—General Psychology	4

MINIMUM CREDITS FOR DEGREE = 64

Pre-Optometry

Northwest College offers an associate of science specialization in Pre-Optometry. The courses required in this specialization parallel those found at four-year institutions and should transfer without difficulty. Students must successfully complete core courses with a “C-” or better to meet specialization requirements. Students who are planning to transfer to a four-year program may need to have additional hours beyond the specialization requirements at Northwest College in order to transfer in as a junior. These students should consult with their advisor and the appropriate four-year college catalog.

**ASSOCIATE OF SCIENCE
with specialization in
PRE-OPTOMETRY**

General Education Requirements

Number and Title	Credits
Students should refer to the Graduation Requirements on pages 23-26	24-27

Four hours of Science are fulfilled by taking Core Courses.

Core Courses

Number and Title	Credits
BIOL 1010—General Biology I	4
BIOL 2020—General Biology II	4
ZOO 2010—Anatomy and Physiology I	4
ZOO 2020—Anatomy and Physiology II	4
CHEM 1020—General Chemistry I	5
or	
CHEM 1000—Introduction to Chemistry.....	4
BIOL 2395—Biological Research: A Capstone Experience.....	1
TOTAL 21-22	

Transfer and General Electives selected in consultation with advisor 15-19

Transfer and General Electives

Number and Title	Credits
CHEM 1030—General Chemistry II	4
CHEM 2300—Introduction to Organic Chemistry	4
or	
CHEM 2320—Organic Chemistry I	4

CHEM 2340—Organic Chemistry II	4
COM 1010—Public Speaking	3
ENGL 2017—Introduction to Research	3
MATH 1450—Precalculus Algebra and Trigonometry	5
MATH 2350—Business Calculus I	5
STAT 2005—Fundamentals of Statistics	3
PHIL 1100—Critical Thinking	3
PHYS 1110—General Physics I	4
PHYS 1120—General Physics II	4
PSYC 1000—General Psychology	4

MINIMUM CREDITS FOR DEGREE = 64

Pre-Pharmacy

Northwest College offers an associate of science specialization in Pre-Pharmacy. The courses required in this specialization parallel those found at four-year institutions and should transfer without difficulty. Students must successfully complete core courses with a “C-” or better to meet specialization requirements. Students who are planning to transfer to a four-year program may need to have additional hours beyond the specialization requirements at Northwest College in order to transfer in as a junior. These students should consult with their advisor and the appropriate four-year college catalog.

**ASSOCIATE OF SCIENCE
with specialization in
PRE-PHARMACY**

General Education Requirements

Number and Title	Credits
Students should refer to the Graduation Requirements on pages 23-26	24-27

Four hours of Science are fulfilled by taking Core Courses.

Core Courses

Number and Title	Credits
BIOL 1010—General Biology I	4
BIOL 2020—General Biology II	4
MOLB 2210—General Microbiology	4
CHEM 1020—General Chemistry I	4
CHEM 1030—General Chemistry II	4
BIOL 2395—Biological Research: A Capstone Experience.....	1
TOTAL 21	

Transfer and General Electives selected in consultation with advisor 16-19

Transfer and General Electives

Number and Title	Credits
CHEM 2320—Organic Chemistry I	4
CHEM 2340—Organic Chemistry II	4
CO/M 1010—Public Speaking	3
ENGL 2017—Introduction to Research	3
MATH 1450—Precalculus Algebra and Trigonometry	5
MATH 2350—Business Calculus I	5
PHIL 1100—Critical Thinking	3
PHYS 1110—General Physics I	4
STAT 2005—Fundamentals of Statistics	3

MINIMUM CREDITS FOR DEGREE = 64

**Pre-Professional
Sciences**

This specialization includes areas in **Pre-Dentistry, Pre-Medicine, and Pre-Veterinary Medicine**. The courses required in this specialization parallel those found at four-year institutions and should transfer without difficulty. Students must successfully complete core courses with a “C-” or better to meet specialization requirements. Students who are planning to transfer to a four-year program may need to have additional hours beyond the specialization requirements at Northwest College in order to transfer in as a junior. These students should consult with their advisor and the appropriate four-year college catalog.

**ASSOCIATE OF SCIENCE
with specialization in
PRE-DENTISTRY, PRE-MEDICINE,
and PRE-VETERINARY MEDICINE**

General Education Requirements

Number and Title	Credits
Students should refer to the Graduation Requirements on pages 23-26	24-27

Four hours of Science are fulfilled by taking Core Courses.

Core Courses

Number and Title	Credits
BIOL 1010—General Biology I	4
BIOL 2020—General Biology II	4
CHEM 1020—General Chemistry I	4
CHEM 1030—General Chemistry II	4
BIOL 2395—Biological Research: A Capstone Experience.....	1
TOTAL 17	

Transfer and General Electives selected in consultation with advisor 16-19

Transfer and General Electives

Number and Title	Credits
BIOL 2200—Genetics	3
CHEM 2320—Organic Chemistry I	4
CHEM 2340—Organic Chemistry II	4
CO/M 1010—Public Speaking	3
ENGL 2017—Introduction to Research	3
MATH 1450—Precalculus Algebra and Trigonometry	5
MATH 2350—Business Calculus I	5
MOLB 2210—General Microbiology	4
PHIL 1100—Critical Thinking	3
PHYS 1110—General Physics I	4
PHYS 1120—General Physics II.....	4
ZOO 2400—Vertebrate Natural History.....	4

MINIMUM CREDITS FOR DEGREE = 64

Outdoor Education

The associate of science specialization in outdoor education provides a solid foundation for students planning careers teaching in a variety of outdoor adventure settings. This specialization also prepares students for transfer to institutions offering a bachelor’s degree in the areas of Outdoor Recreation Leadership, Adventure Education, and allied fields. Students must successfully complete core courses with a “C-” or better to meet specialization requirements. Students who are planning to transfer to a four-year program may need to have additional hours beyond the specialization requirements at Northwest College in order to transfer in as a junior. These students should consult with their advisor and the appropriate four-year college catalog.

**ASSOCIATE OF SCIENCE
with specialization in
OUTDOOR EDUCATION**

General Education Requirements

Number and Title	Credits
Students should refer to the Graduation Requirements on pages 23-26	24-27

Two hours of Wellness are fulfilled by taking Core Courses.

Core Courses

Number and Title	Credits
PEPR 1005—Introduction to Physical Education	2
OEPR 2450—Introduction to Adventure Education	2
OEPR 1700—Winter Outdoor Survival	1
OEPR 1750—River Studies.....	2

HLED 1225—Standard First Aid and CPR.....	2
HLED 1270—Wellness	3
OEPR 2100—Outdoor Education Capstone	2-4
TOTAL 14-16	

Core Electives

Students must select 5 courses from the following approved courses.

Number and Title	Credits
OEAC 1100—Outdoor Living Skills: Desert	1
OEAC 1150—Outdoor Living Skills: Mountain	1
PEAC 1015—Beginning Scuba	1
PEAC 1258—Beginning Skiing	5
PEAC 1259—Beginning Cross Country Skiing	5
PEAC 1281—Beginning Casting and Angling.....	5
PEAC 1285—Beginning Kayaking	5
PEAC 1286—Spelunking	5
PEAC 1287—Beginning Rock Climbing.....	5
PEAC 1288—Beginning Bicycle Touring	5
TOTAL 2.5-4	

Transfer and General Electives selected in consultation with advisor 17-23

Transfer and General Electives

Number and Title	Credits
ASTR 1050—Survey of Astronomy	4
BIOL 1080—Environmental Science	3
BIOL 2400—Ecology	3
BIOL 2410—Field Ecology Lab.....	1
BIOL 2420—Studies in Rocky Mountain Ecology	4
BOT 2050—Taxonomy of Flowering Plants	4
EDFD 2100—Educational Psychology	3
EDFD 2020—Foundations of Education.....	3
EDUC 2100—Public School Practicum	3-6
FSCS 1141—Principles of Nutrition	3
GEOL 1030—Geology of Northern Wyoming.....	3
GEOL 1035—Geology of Yellowstone National Park.....	1
GEOL 1100—Physical Geology	4
GEOL 1200—Historical Geology	4
PHTO 1550—Outdoor Photography Seminar	2
PSYC 1000—General Psychology	4

MINIMUM CREDITS FOR DEGREE = 64

Physical Education

The associate of science specialization degree in physical education provides a solid foundation for students planning careers in Physical Education, Health Education, Teacher Education, and/or Coaching. This specialization prepares students for transfer to institutions offering bachelor’s degrees in Physical

Education. Students must successfully complete core courses with a “C-” or better to meet specialization requirements. Students who are planning to transfer to a four-year program may need to have additional hours beyond the specialization requirements at Northwest College in order to transfer in as a junior. These students should consult with their advisor and the appropriate four-year college catalog.

Health Education

For secondary education: to facilitate transfer to a four-year college as a junior, students planning to become middle school or high school physical education teachers are encouraged to complete both the Secondary Education specialization and at least a specialization in the subjects they plan to teach. Consult your advisor every semester when selecting courses.

ASSOCIATE OF SCIENCE with specialization in PHYSICAL EDUCATION

General Education Requirements

Number and Title	Credits
Students should refer to the Graduation Requirements on pages 23-26	24-27

Four hours of Science and two hours of Wellness are fulfilled by taking Core Courses.

Core Courses

Number and Title	Credits
ZOO 2010—Human Anatomy and Physiology I	4
ZOO 2020—Human Anatomy and Physiology II	4
PEPR 1005—Introduction to Physical Education	2
PEPR 2069—History and Philosophy of Sport	3
PEPR 1025—Movement Core II	2
PEPR 2000—Movement Core III	2
HLED 1006—Personal and Community Health	3
HLED 1225—First Aid and CPR	2
PEPR 2200—Physical Education, Health and Coaching Practicum (minimum of two credits).....	2-4
TOTAL	24

Transfer and General Electives selected in consultation with advisor 13-16

Transfer and General Electives for a Teacher Education Program in Physical Education

Number and Title	Credits
EDFD 2100—Educational Psychology	3
EDFD 2020—Foundations of Education	3
* EDUC 2100—Public School Practicum	3-6
PEPR 2012—Physical Education for Elementary School	3
PSYC 1000—General Psychology	4
OEPER 2450—Introduction to Adventure Education	2

** Will count as the Capstone Course*

Transfer and General Electives for a Coaching Endorsement

Number and Title	Credits
HLED 1225—Standard First Aid and CPR.....	2
PEPR 1052—Care and Prevention of Athletic Injury/Illness	2
PEPR 2110—Scientific Foundations of Athletic Coaching	2
PEPR 2100—Theory of Coaching	2
PSYC 1000—General Psychology	4
PSYC 1200—Human Development	3

Transfer and General Electives for a Health Focus

Number and Title	Credits
FCSC 1141—Principles of Nutrition	3
HLED 1005—Risky Behaviors	3
HLED 1225—Standard First Aid and CPR.....	2
HLED 1270—Wellness	3
HLED 1271—Diet and Exercise.....	2
PEPR 1052—Care and Prevention of Athletic Injuries/Illness	2
PSYC 1000—General Psychology	4
PSYC 2200—Human Sexuality.....	3

MINIMUM CREDITS FOR DEGREE = 64

Associate of Science Pre-Baccalaureate Nursing

The following two-year pre-nursing program closely resembles that required by BSN schools of Nursing. However, we strongly encourage you to talk to the college or university you plan to transfer to before selecting course work.

ASSOCIATE OF SCIENCE with specialization in PRE-BACCALAUREATE NURSING

Freshman Year

Fall Semester	Credits
ENGL 1010—English I: Introduction to Composition	3
or	
ENGL 1110—Advanced English Composition	3
MATH 1400—College Algebra.....	4
or	
STAT 2005—Fundamentals of Statistics	3
SOC 1000—Sociological Principles	3
or	
ANTH 1200—Introduction to Cultural Anthropology	3
ZOO 2010—Human Anatomy and Physiology I	4
Wellness Education	1
Electives	3-4
TOTAL	17-19

Spring Semester	Credits
ENGL 1020—English II: Introduction to Literature	3
PHIL 1100—Critical Thinking	3
PSYC 1000—General Psychology	4
ZOO 2020—Human Anatomy and Physiology II	4
Wellness Education	1
TOTAL	15

Sophomore Year

Fall Semester	Credits
CHEM 1000—Introduction to Chemistry.....	5
or	
CHEM 1020—General Chemistry I	4
CO/M 1030—Interpersonal Communication	3
HOEC 1141—Principles of Nutrition	3
PSYC 1200—Human Development	3
Elective.....	3
TOTAL	16-17

Spring Semester	Credits
MOLB 2210—General Microbiology	4
PHCY 4450—Pathophysiology	4
(teleconference course with U.W.)	
POLS 1000—American and Wyoming Government.....	3
or	
HIST 1210—United States History I	3
and	
HIST 1250—History of Wyoming	3
Electives	6
TOTAL	17-20

MINIMUM CREDITS FOR DEGREE = 65-67

ASSOCIATE OF APPLIED SCIENCE NURSING; PRACTICAL NURSING CERTIFICATE

The Northwest College associate of applied science degree nursing program is approved by the Wyoming State Board of Nursing and accredited by the National League for Nursing

Accreditation Commission. (NLNAC, 61 Broadway 33rd Floor, New York, NY, 10006, 800-669-1656, ext. 153, FAX 212-812-0390.) The program is an associate degree nursing program with a practical nursing spin-off option. The two-year program of study leads to an associate of applied science degree in nursing. Upon successful completion of the program, students are eligible to take the National Council Licensure Examination for Registered Nursing.

Those students who do not want to complete the associate degree nursing program, but want to become practical nurses, may “spin-off” after the first nine months of the program. They will be required to complete a nine-week summer semester. Following successful completion of the summer semester, they will be eligible to take the National Council Licensure Examination for Practical Nursing. The practical nursing program at Northwest College is also accredited by the National League for Nursing Accreditation Commission. (NLNAC, 61 Broadway 33rd Floor, New York, NY, 10006, 800-669-1656, ext. 153, FAX 212-812-0390.).

The program is open to all individuals who are interested in a career in nursing. Classroom and clinical experience are integrated throughout the program. The student gains nursing experience in patient care under the direct supervision of qualified instructors.

To be eligible for graduation from NWC, students must satisfactorily complete the curriculum as outlined in the NWC catalog for the academic year of admission into the nursing program.

Criteria for admission to the nursing program are:

- Completion of standard Northwest College application.
- Completion of a nursing program Letter of Intent.
- Evidence of high school graduation or certificate of GED.
- GED score of 50 or above.
- Cumulative G.P.A. of 2.5 (most recent high school or college transcript).
- Placement at math level 2 (eligible to take MATH 0930). Math testing is required for courses older than five years.
- English Placement at Level 1 (eligible to take ENGL 1010).
- Reading Placement Score 70 or above (Completion of DVST 0530—Reading Improvement III).

- Completion of a high school or college science course, such as biology, anatomy and physiology, chemistry, or its equivalent, within the last five years with a 2.0 or better.
- ACT score of 20 (applies to first two years after high school graduation. Successful college work may fulfill this criteria).

Students admitted to the program may anticipate additional expenses for student uniforms, name pins, shoes, liability insurance fees, travel to clinical facilities, stethoscopes, bandage scissors, licensure fees, plus meals, transportation, and housing for off-campus activities. Students must provide their own transportation to the clinical facilities.

Licensed practical nurses may be eligible for **Advanced Placement into the second year of the nursing program, based on space availability.** Criteria for advanced placement are:

- Completion of a standard Northwest College application.
- Completion of an Advanced Placement nursing program Letter of Intent.
- Cumulative G.P.A. of 2.5 from the practical nursing program attended.
- Completion of the LPN Gap Test.
- Completion of a Skills Laboratory and Clinical Challenge Examination, if deemed necessary by the Admissions Screening Committee.
- Licensure as a practical nurse or eligibility for Licensure Examination for Practical Nursing.
- Completion of the following general education courses with a grade of “C-” or better:
 - Human Anatomy and Physiology (4 credits within the last 5 years).
 - Math for Health Sciences (3 cr).
 - General Psychology (4 cr).
 - Nutrition (2 cr).
 - Human Pathophysiology (3 cr).
- Placement at math level 2 (eligible to take MATH 0930). Course or placement testing within the last five years.
- English Placement at Level 1 (eligible to take ENGL 1010).
- Reading Placement Score of 70 or above (Completion of DVST 0530—Reading Improvement III).
- Completion of a high school or college science course, such as biology, anatomy and physiology, chemistry, or its equivalent, within the last five years with a 2.0 or better.

ASSOCIATE OF APPLIED SCIENCE NURSING; PRACTICAL NURSING

Freshman Year

Fall Semester	Credits
NRST 1600—Math for Health Sciences.....	3
NRST 1610—Nursing I.....	8
PSYC 1000—General Psychology.....	4
* ZOO 2010—Human Anatomy and Physiology I.....	4
TOTAL 19	

Spring Semester	Credits
FCSC 1141—Principles of Nutrition.....	3
NRST 1620—Nursing II.....	9
* ZOO 2020—Human Anatomy and Physiology II.....	4
ZOO 2060—Human Pathophysiology.....	3
TOTAL 19	

PN Spin-Off Summer Semester (Practical Nursing Component)	Credits
NRST 1980—Practical Nursing Role Exploration.....	5
TOTAL 5	

TOTAL CREDITS PN = 43
NURSING = 22
NON-NURSING = 21

Summer Semester (Only for Licensed Practical Nurses Applying for Advanced Placement)	Credits
NRST 2500—LPN Transition.....	1

Sophomore Year

Fall Semester	Credits
ENGL 1010—English I: Introduction to Composition.....	3
or	
ENGL 1110—Advanced English Composition.....	3
* MOLB 2210—General Microbiology I.....	4
NRST 2630—Nursing III.....	10
TOTAL 17	

Spring Semester	Credits
ENGL 1020—English II: Introduction to Literature.....	3
POLS 1000—American and Wyoming Government.....	3
or	
HIST 1210—United States History I.....	3
and	
HIST 1250—History of Wyoming.....	3
NRST 2640—Nursing IV.....	10
PEAC—Physical Education (activity).....	1
TOTAL 17-20	

** Required science course work must be taken within the past five years from the date of admission into the nursing program (unless a Bachelor's degree or higher has been earned in a science/health science field).*