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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 thinking 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
 Pre-Occupational Therapy
 Pre-Physical Therapy
 Pre-Optometry
 Pre-Pharmacy
 Pre-Professional Sciences

Health/Outdoor/Physical Education Department specializations in:

Athletic Training
 Outdoor Education
 Physical Education

Nursing Department specialization in:

Pre-Baccalaureate Nursing

Associate of Applied Science Degree

Nursing

Northwest College Skills Certificate Option

Assistant Coach Certificate
 Challenge Course Facilitation Certificate
 Head Coach Certificate

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 26-32	31-37

Eight 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 (Capstone Course)	1
or	
BIOL 2385—Research in the Life and Physical Sciences (Capstone Course)	3

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	1
BOT 2050—Taxonomy of Flowering Plants	4
MOLB 2210—General Microbiology	4
ZOO 2400—Vertebrate Natural History	4
TOTAL	20-23

Transfer and General Electives selected in consultation with advisor 16-20

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	5
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 2345—Survey of Calculus	5
PHYS 1110—General Physics I	4
PHYS 1120—General Physics II	4
STAT 2050—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 2050—Fundamentals of Statistics	3

Recommended General Electives for either Track

Number and Title	Credits
COM 1010—Public Speaking	3
ENGL 2017—Introduction to Research	3
PHIL 2420—Logic I: 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 26-32	31-37

Eight 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 2310—Introduction to Geographic Information Systems	3
BIOL 2400—Ecology	3
BIOL 2410—Field Ecology Lab.....	1
BIOL 2395—Biological Research (Capstone Course).....	1
or	
BIOL 2385—Research in the Life and Physical Sciences (Capstone Course).....	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	23-26

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	5
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 2345—Survey of Calculus	5
PHYS 1110—General Physics I	4
PHYS 1120—General Physics II	4
STAT 2050—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 2050—Fundamentals of Statistics	3

General Electives for either Track

AECL 2010—Ecological Web: Soil	4
CO/M 1010—Public Speaking	3
PHIL 2420—Logic I: Critical Thinking	3
POLS 2410—Introduction to Public Administration.....	3
RGMG 2000—Principles of Range Management.....	3

MINIMUM CREDITS FOR DEGREE = 64

Pre-Occupational Therapy and Pre-Physical Therapy

The courses required for these specializations parallel those found at four-year institutions and should transfer without difficulty. Students must suc-

cessfully 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-OCCUPATIONAL THERAPY

General Education Requirements

Number and Title	Credits
Students should refer to the Graduation Requirements on pages 26-32	31-37

Eight 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
CHEM 1000—Introduction to Chemistry.....	5
or	
CHEM 1020—General Chemistry I	5
PSYC 1000—General Psychology	4
or	
SOC 1000—Sociological Principles	3
ZOO 2010—Human Anatomy and Physiology I	4
ZOO 2020—Human Anatomy and Physiology II	4
BIOL 2395—Biological Research (Capstone Course).....	1
or	
BIOL 2385—Research in the Life and Physical Sciences (Capstone Course).....	3
TOTAL	21-24

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 2050—Fundamentals of Statistics	3

MINIMUM CREDITS FOR DEGREE = 64

ASSOCIATE OF SCIENCE with specialization in PRE-PHYSICAL THERAPY

General Education Requirements

Number and Title	Credits
Students should refer to the Graduation Requirements on pages 26-32	31-37

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 (Capstone Course).....	1
or	
BIOL 2385—Research in the Life and Physical Sciences (Capstone Course)	3
TOTAL	21-23

Transfer and General Electives selected in consultation with advisor

Recommended Transfer and General Electives

Students should choose from these courses which are designed to fulfill common requirements at various transfer institutions. Students should consult with their advisor and the appropriate transfer college catalog.

CHEM 1020—General Chemistry I	5
CHEM 1030—General Chemistry II	4
CO/M 1010—Public Speaking	3
ENGL 2017—Introduction to Research	3
MATH 1450—Precalculus Algebra and Trigonometry	5
MATH 2345—Survey of Calculus	5
PHIL 2420—Logic I: Critical Thinking	3
PHYS 1110—General Physics I	4
PHYS 1120—General Physics II	4
PSYC 1000—General Psychology	4
STAT 2050—Fundamentals of Statistics	4

MINIMUM CREDITS FOR DEGREE = 64

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 26-32	31-37

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	5
or	
CHEM 1000—Introduction to Chemistry.....	4
ZOO 2010—Human Anatomy and Physiology I	4
ZOO 2020—Human Anatomy and Physiology II	4
BIOL 2395—Biological Research (Capstone Course).....	1
or	
BIOL 2385—Research in the Life and Physical Sciences (Capstone Course)	3
TOTAL	21-24

Transfer and General Electives selected in consultation with advisor

Recommended 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
CO/M 1010—Public Speaking	3
ENGL 2017—Introduction to Research	3
MATH 1450—Precalculus Algebra and Trigonometry	5
MATH 2345—Survey of Calculus	5
STAT 2050—Fundamentals of Statistics	3
PHIL 2420—Logic I: 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

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 26-32	31-37

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	5
CHEM 1030—General Chemistry II	4
MOLB 2210—General Microbiology	4
BIOL 2395—Biological Research (Capstone Course).....	1
or	
BIOL 2385—Research in the Life and Physical Sciences (Capstone Course)	3
TOTAL	22-24

Transfer and General Electives selected in consultation with advisor

Recommended 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 2345—Survey of Calculus	5
PHIL 2420—Logic I: Critical Thinking	3
PHYS 1110—General Physics I	4
STAT 2050—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 26-32	31-37

Eight 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	5
CHEM 1030—General Chemistry II	4
BIOL 2395—Biological Research (Capstone Course).....	1
or	
BIOL 2385—Research in the Life and Physical Sciences (Capstone Course)	3
TOTAL	18-20

Transfer and General Electives selected in consultation with advisor

Recommended 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 2345—Survey of Calculus	5
MOLB 2210—General Microbiology	4

PHIL 2420—Logic I: 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

Athletic Training

This specialization provides a solid foundation for students planning a career as an Athletic Trainer. It prepares students to transfer to institutions offering bachelor’s degrees in athletic training. Students must successfully complete core courses with a “C-” or better to meet specialization requirements. At the beginning of the spring semester of their sophomore year, students must make application for admission to the professional Exercise and Sport Science-Athletic Training Option at the University of Wyoming and/or other four-year institutions with athletic training programs.

ASSOCIATE OF SCIENCE with specialization in ATHLETIC TRAINING

General Education Requirements

Number and Title	Credits
Students should refer to the Graduation Requirements on pages 26-32	31-37

Core Courses

Number and Title	Credits
ZOO 2010—Human Anatomy and Physiology	4
ZOO 2020—Human Anatomy and Physiology II	4
HLED 1225—First Aid/CPR	2
PEPR 1005—Introduction to Physical Education and Sport	2
KIN 1052—Prevention of Athletic Injury/Illness	3
KIN 1058—Emergency Management of Athletic Injury/Illness	3
KIN 2068—Athletic Training Clinical I	1
KIN 2057—Assessment and Evaluation of Athletic Injury/Illness I	3
KIN 2058—Assessment and Evaluation of Athletic Injury/Illness II (Capstone Course)	3
KIN 2078—Athletic Training Clinical II	1
TOTAL	26

Transfer and General Electives selected in consultation with advisor

MINIMUM CREDITS FOR DEGREE = 64

Outdoor Education

This specialization 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 26-32	31-37

Two hours of Wellness are fulfilled by taking Core Courses.

Core Courses

Number and Title	Credits
HLED 1225—Standard First Aid and CPR ...	2
HLED 1270—Wellness	3
OEPR 1100—Introduction to Adventure Education	2
OEPR 1200—Winter Outdoor Survival	1
OEPR 1250—River Studies	2
OEPR 1620—Challenge Course Facilitation ..	2
OEPR 2100—Outdoor Education	2
OEPR 2200—Outdoor Programming and Administration (Capstone Course).....	2-4
TOTAL	16-18

Core Electives

Number and Title	Credits
OEPR 2110/EDCI 2110—NOLS Rocky Mountain Outdoor Education.....	4
or	
Students must select 5 courses from the following approved courses.	
OEAC 1100—Outdoor Living Skills: Desert	2
OEAC 1150—Outdoor Living Skills: Mountain	1
OEAC 1720—Advanced Rock Climbing	2
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—Rock Climbing 5
 PEAC 1288—Bicycle Touring 5
 PEAC 1600—Ice Climbing 5
 PEAC 1560—Beginning Orienteering 5
TOTAL 2.5-6.5

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

Transfer and General Electives

Number and Title	Credits
ANTH 1100—Physical Anthropology	3
ANTH 1105—Physical Anthropology Lab	1
ANTH 1300—Introduction to Archaeology	3
ASTR 1050—Survey of Astronomy	4
BIOL 1080—Environmental Science	3
BIOL 2400—Ecology	3
BIOL 2410—Field Ecology Lab	1
BOT 2050—Taxonomy of Flowering Plants	4
EDFD 2100—Educational Psychology	3
FCSC 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
PEPR 1005—Introduction to Physical Education	2
PHOT 1550—Outdoor Photography Seminar	2
PSYC 1000—General Psychology	4

MINIMUM CREDITS FOR DEGREE = 64

NORTHWEST COLLEGE SKILLS CERTIFICATE CHALLENGE COURSE FACILITATION

This certificate provides the student with a solid foundation in the principles and theories of Experiential/Adventure Education giving them the background and knowledge necessary to begin work as a facilitator.

Number and Title	Credits
OEPR 1100—Introduction to Adventure Education	2
OEPR 1620—Challenge Course Facilitation	2
HLED 1225—Standard First Aid & CPR	2

TOTAL CREDITS FOR CERTIFICATE = 6

Physical Education

This specialization provides a solid foundation for students planning careers in Physical Education, Health Education, Teacher Education, and/or Coaching. It 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 26-32	31-37

Eight hours of Science and one hour of Wellness are fulfilled by taking Core Courses.

Core Courses

Number and Title	Credits
HLED 1006—Personal Health	3
HLED 1225—Standard First Aid and CPR ... 2 or	2
* PEPR 1040—Sport First Aid	2
PEPR 1005—Introduction to Physical Education	2
PEPR 1025—Movement Core II	2
PEPR 2000—Movement Core III	2
PEPR 2069—History and Philosophy of Sport	3
PEPR 2200—Physical Education, Health and Coaching Practicum (minimum of two credits)	2-4

ZOO 2010—Human Anatomy and Physiology I	4
ZOO 2020—Human Anatomy and Physiology II	4
TOTAL 24-26	

** Students interested in coaching are strongly encouraged to take Sport First Aid.*

Recommended Transfer and General Electives	
Electives	13-16
BIOL 1000—Principles of Biology or	4
BIOL 1010—General Biology I	4
Electives	9-12

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
OEPR 1100—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 or	2
* PEPR 1040—Sport First Aid	2
PEPR 2050—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

** Students interested in coaching are strongly encouraged to take Sport First Aid*

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	2
HLED 1270—Wellness	3
HLED 1271—Diet and Exercise	2
PEPR 2050—Care and Prevention of Athletic Injury/Illness	2
PSYC 1000—General Psychology	4
PSYC 2200—Human Sexuality	3

MINIMUM CREDITS FOR DEGREE = 64

NORTHWEST COLLEGE SKILLS CERTIFICATE

ASSISTANT COACH

This certificate is designed for those students wishing to meet the requirements for assistant coach endorsement by the Wyoming Professional Teaching Standards Board.

Number and Title	Credits
PEPR 2100—Theory of Coaching (specific sport)	2
PEPR 2110—Scientific Foundations of Athletic Coaching.....	2
PEPR 2050—Care and Prevention of Athletic Injuries	2
HLED 1225—First Aid/CPR	2
or	
PEPR 1440—Sport First Aid	2

TOTAL CREDITS FOR CERTIFICATE = 8

NORTHWEST COLLEGE SKILLS CERTIFICATE

HEAD COACH

This certificate is designed for those students wishing to meet the requirements for head coach endorsement by the Wyoming Professional Teaching Standards Board. Students must have completed the requirements for or received the Assistant Coach Certificate.

Number and Title	Credits
PSYC 1000—General Psychology	4
PSYC 1200—Human Development	3

TOTAL CREDITS FOR CERTIFICATE = 7

Associate of Science Pre-Baccalaureate Nursing

A two-year pre-nursing program must closely resemble that required by BSN schools of nursing. We strongly encourage students to work with an advisor at Northwest and the college or university you plan to transfer to before selecting course work.

ASSOCIATE OF SCIENCE with specialization in PRE-BACCALAUREATE NURSING

General Education Requirements

Number and Title	Credits
Students should refer to the Graduation Requirements on pages 26-32	31-37

Core Courses

Core Courses	21-24
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The pre-baccalaureate Nursing Program requires a strong core of general education and science courses. Students should develop a plan of study with their advisor.

TOTAL 21-24

MINIMUM CREDITS FOR DEGREE = 64

Associate of Applied Science Nursing

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 Accrediting Commission. (NLNAC, 61 Broadway 33rd Floor, New York, NY, 10006, 800-669-1656, ext. 153, FAX 212-812-0390.) 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.

The program is open to all individuals interested in a career in nursing. Classroom, laboratory, 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.
- Three letters of reference.
- A goal statement addressing the reason for the choice of nursing as a career and what the role of a nurse is.
- Evidence of high school graduation or GED (score of 500 or above).
- Cumulative GPA of 2.5 (most recent high school transcript) on last 12 credits of college course work or GPA on those courses taken as required by the Northwest College Nursing Program (at least 12 credits).
- Placement at math level 2 (eligible to take MATH 0930). Math testing is

required for courses older than five years.

- English Placement at College Level (eligible to take ENGL 1010) or successful completion of DVST 0610 Basic Writing II.
- Reading Placement Score 76 or above or successful completion of DVST 0520—Fundamentals of Reading II.
- 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).
- Nurse entrance test composite percentage of 74 or above.
- Evidence of successful completion of a Nursing Assistant course which makes the candidate eligible for certification or certified as a Nursing Assistant. (This is not required for acceptance into the program, but it is required prior to entrance into the Fall semester, Freshmen year.))

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.

Current licensure as a Practical Nurse or completion of a practical nursing program is required to be eligible for advanced placement into the second year of the Nursing Program. Students will be admitted for advanced placement depending on space availability and the following:

- Completion of a standard Northwest College application.
- Completion of an Advanced Placement nursing program Letter of Intent.
- Cumulative GPA of 2.0 on a 4 point scale 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 (8 credits within the last 5 years).
- General Psychology (4 credits).
- Communication for Health Care Professionals (2 credits).
- Introduction to Composition (3 credits).
- Placement at math level 2 (eligible to take MATH 0930). Placement testing within the last five years.
- Completion of NRST 2500—Role Transition – PN to RN.

ASSOCIATE OF APPLIED SCIENCE NURSING

General Education Requirements

Number and Title	Credits
ANTH 1200—Cultural Anthropology	3
or	
SOC 1000—Sociology Principles	3
ENGL 1010—Introduction to Composition	3
ENGL 2030—Critical Reading & Writing	3
or	
ENGL 2017—Introduction to Research	3
CO/M 1025—Communication for Health Professionals.....	2
MATH 1000—Problem Solving	3
or	
MATH 1400—College Algebra	4
* MOLB 2210—General Microbiology	4
PEAC—Wellness and Activity	1
POLS 1000—American and Wyoming Government	3
or	
HIST 1221—The United States from 1865	3
or combination of	
HIST 1210—United States History I.....	3
and	
HIST 1250—History of Wyoming.....	3
PSYC 1000—General Psychology	4
* ZOO 2010—Human Anatomy and Physiology I	4
* ZOO 2020—Human Anatomy and Physiology II	4
TOTAL 34-38	

** Required science course work for admission 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). A student may take a course a maximum of two times to earn a d 2.0 or better to enter into the Nursing Program or to be allowed to continue in the program once admitted.*

Core Courses

Number and Title	Credits
NRST 1000—Fundamentals of Nursing	3
NRST 1540—The Culture of Professional Nursing.....	1
NRST 1580—Introduction to Medication Administration	2
NRST 1710—Clinical Experience I	2
NRST 1630—Mental Health Nursing.....	2
NRST 1700—Nursing Care of the Adult I.....	4
NRST 1720—Clinical Experience II	4
NRST 2600—Nursing Care of the Adult II ...	3
NRST 2620—Maternal Child Nursing I.....	2
NRST 2730—Clinical Experience III.....	5
NRST 2760—Leadership Management (Capstone Course).....	2
NRST 2750—Nursing in the Community	1
NRST 2770—Maternal Child Nursing II.....	2
NRST 2740—Clinical Experience IV.....	5
TOTAL 38	

MINIMUM CREDITS FOR DEGREE = 72-76