NHS College

NUETA
HIDATSA
SAHNISH

2021-2022 Bulletin

NUETA HIDATSA SAHNISH COLLEGE BULLETIN 2021-22

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DISCLAIMER
Terms, conditions, fees, course offerings, admissions, graduation requirements, college rules and regulations, college calendar and other regulations affecting the student body set forth in this bulletin are in accordance with information available at the time of publication. Nueta Hidatsa Sahnish College reserves the right to change these conditions when necessary, as determined within its sole discretion. Therefore, this document should not be considered a contract between the student and the institution.

Nueta Hidatsa Sahnish College is an equal opportunity and affirmative action institution that does not discriminate on the basis of race, age, color, national origin, sex, disability, religion, or veteran status in its admissions, employment practice, educational programs or other related activities.

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HISTORY

The Nueta Hidatsa Sahnish College (NHSC) is tribally chartered by the Three Affiliated Tribes of the Fort Berthold Reservation headquarters at New Town, North Dakota. NHSC is tribally controlled by a Board of Directors, which consist of seven-members appointed by the six segment council members and one tribal chairperson. Originally named Fort Berthold Community College, it was founded May 2, 1973, as the agency responsible for higher education on the Fort Berthold Reservation. On March 27, 2015 the Three Affiliated Tribes Business Council signed a resolution changing the name of the college to Nueta Hidatsa Sahnish College.

The Three Affiliated Tribes endorsed the concept that a locally based higher education institution was needed to train Tribal members and to act as a positive influence in retaining the Tribal cultures. A steering committee was appointed to oversee the initial operations of the College. This committee was replaced by the selection of a Board of Directors in 1974.

The first classes offered at NHSC were on an extension basis with coordinating accredited institutions. The articulation agreements made in the beginning were with University of Mary, Bismarck, ND; Minot State College, Minot, ND; and the University of North Dakota, Williston Center, Williston, ND. The College proceeded to develop long-range planning models. This planning resulted in the development of a framework for carrying out the mission and goals of the College, and also in the improvement of the educational and vocational services in the communities throughout the Reservation.

Nueta Hidatsa Sahnish College was granted accreditation on February 12, 1988, through the North Central Association of Schools and Colleges. On July 12, 2006, Nueta Hidatsa Sahnish College was granted continued 10-year accreditation through The Higher Learning Commission (HLC) and will host its next reaffirmation of accreditation visit in 2021-22. The College is one of thirty-four tribal colleges granted 1994 Land Grant Institution status and is also a member of the American Indian Higher Education Consortium (AIHEC). On February 25, 2011, HLC's Institutional Actions Council (IAC) voted to extend the College's Accreditation to include Bachelor of Science Degrees in Elementary Education and Environmental Science, and the Bachelor of Arts in Native American Studies, enabling students to earn four-year degrees at their home college on Fort Berthold Reservation.

NHSC continues to strive to meet its mission of providing quality cultural, academic and vocational education and services to the Mandan, Hidatsa, and Arikara Nation.

MISSION

A unique educational community founded in culture and spirituality that nurtures holistic student success.

VISION

Nueta Hidatsa Sahnish College: Integrates dynamic, cultural principles to honor the past, for those living in the present and shaping the future.

PHILOSOPHY

We believe that Nueta Hidatsa Sahnish College seeks to:

Enhance the quality of life for the Mandan, Hidatsa and Arikara Nation

- Offers opportunities for improvement of our economic well-being and quality of life.
- Initiates and implements new or innovative ideas for the benefit of the Tribe, including leadership and training.

Build a positive strong identity of the Three Affiliated Tribes

- A builder of people and communities of the Mandan, Hidatsa and Arikara Nation
- Integrates Three Affiliated Tribes culture, traditions and language, in all academic and social activities empowering the people.
- A place where all people come first for their educational needs.

Ensure development of global citizenship by providing necessary training and leadership

- Utilize the art of technology to deliver courses.
- Prepare globally to address the impact of other cultures, economies, environments and actions.
- Develop and utilize the existing resources for the further development of the staff/faculty and Board of Directors.

Develop a financially strong institution, which meets the needs of the students by providing a safe learning environment, which promotes diversity and relevant curriculum/programs.

- Provide a caring and nurturing atmosphere, which meets the needs of all the students.
- Utilize multiple teaching methods and techniques for a variety of learning styles.
- Offer self-improvement opportunities while maintaining the culture of the Mandan, Hidatsa and Arikara Nation.
- Select and develop a faculty who believe in the vision and mission of the College.
- Provide continuous assessment of
  - Teaching methods
  - Curriculum
  - Community needs and trends to determine course and program offerings, recreation, sports, childcare, student housing.
    - Encourage the need to voice informed opinions to make positive change.
    - Become a leader among tribally controlled colleges, providing the highest quality of culture, academic, and student services.

ACADEMIC FREEDOM

Nueta Hidatsa Sahnish College is committed to intellectual thought and pursuit. The college encourages faculty to introduce students to broad and diverse points of view and research. As part of the college's Native American tradition, it is recognized certain tenets will be expressed as part of the curriculum and are acceptable whenever applicable. At all times, faculty members should exercise sound judgment, respect the rights of others to express ideas and opinions and ensure that the same freedom be extended to students and colleagues.

VALUES

Honesty
Respect
Responsibility
Tenacity
Curiosity
Being a Good Relative
Innovation

EARTH LODGE VALUES

The Nueta Hidatsa Sahnish College's values are illustrated through the earth lodge, which is the common home to the Nueta, Hidatsa, and Sahnish people. Unity, being the key value, is located in the center (fire pit), which the rest of the values build around. Spirituality, People, Culture, and Future are the four domains represented by the four main posts. The outer twelve posts represent values within each of the four domains.

Unity:

The Nueta, Hidatsa, and Sahnish people have lived and worked together for over two hundred years. We have worked together harmoniously, peacefully and with friendship. We strive to continue this unity for our future generations.

ADMISSIONS INFORMATION

Please see Student Handbook for more detailed information.

Nueta Hidatsa Sahnish College subscribes to an Open Door Admissions Policy. Any person who is a graduate of an accredited high school or who has his or her General Education Development (GED®) certificate may be admitted to NHSC. Admission to NHSC does not ensure admittance to any particular course of study. Some programs have requirements beyond standard college admissions that must be met.

Procedures:
The following items are required for Admissions to NHSC:

- ✓ Application for Admissions
- ✓ Official copy of high school transcripts or GED certificate or GED transcript
- ✓ A complete Free Application for Federal Student Aid (FAFSA)
- ✓ Copy of Driver's License, State ID, or Social Security card
- ✓ All Native American students enrolled in a federally recognized tribe must submit an official verification of tribal enrollment
- ✓ If applicable, Native American students not enrolled in a federally recognized tribe must submit an official verification of tribal enrollment of one of their parents
- ✓ Students must have an official copy of their transcript(s) from previously attended college(s) sent directly to the registrar's office at NHSC
- ✓ Dual credit students must submit the Dual Credit form they receive from their high school for each course
- ✓ Non-US citizens must provide documentation to verify that they are eligible non-citizens

It is the responsibility of the student to ensure all documents are received. A hold will be placed on student's academic record if all documentation is not in his/her file at the end of the first 6 weeks of the semester. The student will not be allowed to enroll again until all documentation is submitted. Financial aid could also be delayed if documentation is not submitted before financial aid disbursement.

FINANCIAL AID INFORMATION AND POLICIES

Please see Student Handbook for more detailed information.

The Nueta Hidatsa Sahnish College Office of Student Financial Aid provides assistance to students in securing adequate resources to attend NHSC. A variety of programs are available.

All students should apply for financial aid. Office hours are 8:00 am-5:00 pm, Monday-Friday. The Financial Aid office is closed for lunch between 12:00 pm-1:00pm. For more information, see: *www.fafsa.ed.gov* and *www.nhsc.edu*

Types of Financial Aid Available:

- 477 Demonstration Project
- American Indian College Fund: *www.collegefund.org*
- North Dakota Student Financial Assistance Grant (SSIG)
- Three Affiliated Tribes Higher Education Program
- Three Affiliated Tribes Job Training Partnership Act (477)
- Veteran's Benefits

- Vocational Rehabilitation
- Title IV Funds Earned and Unearned

Other Scholarships are available at Nueta Hidatsa Sahnish College. See Financial Aid Director for more Information.

STUDENT SERVICES INFORMATION AND POLICIES

Please see Student Handbook for more detailed information.

Student Services supports the "Open Door" Philosophy at Nueta Hidatsa Sahnish College, by promoting and providing equal access to students, regardless of academic background or experience.

The Function of Students Services is to:

- Promote student success and retention
- Facilitate student learning and development
- Provide student-centered customer friendly services

The Primary Roles of Student Services are:

- Admissions, Registration, Student Records-Registrar, Admissions Clerk
- Student Orientation to NHSC-Student Services Staff
- Financial Aid Services-Financial Aid Director
- Counseling and guidance- Student Development/ Retention Counselor
- Student Programs, Clubs, & Activities-Vice President of Student Services and Student Club Advisors
- Academic Assistance- Vice President of Student Services and Peer Tutors
- Mentoring Outreach Programs- Vice President of Student Services and Outreach Mentors at community sites.
- Disabilities coordination-Vice President of Student Services, Student Development/ Retention Counselor

The following Student Services topics are addressed in the Student Handbook:

- Equal Opportunity and Non-discrimination
- Disabilities
- Student Rights
- Student Responsibilities
- Code of Conduct
- Student discipline
- Disciplinary Outcomes
- Appeals
- Grounds of Appeal
- Due Process for Disciplinary
- Due Process in cases of Alleged Academic Dishonesty
- Zero Tolerance for Violence Policy
- Zero Tolerance of Campus Violence
- Incident response
- Incident reporting
- Grievance Process
- Disciplinary Outcomes

VETERANS BENEFITS

Veterans' benefits are accessible through our SSAVE Coordinator and our Student Success Center in Room 32.

Potential students are provided a brief explanation about the education benefit programs offered by the Department of Veterans Affairs and Department of Defense.

NHSC provides educational plans for all individuals using federal military and veterans educational benefits that detail how those individuals will fulfill all the requirements necessary to graduate and the expected timeline of completion by disclosing general degree requirements* for the service

member, family members, and veteran's educational program (education plan*) to the member and his or her Service.

These requirements, typically articulated in the institution's course catalog, should:

- Include the total number of credits needed for graduation.
- Divide the coursework students must complete in accordance with institutional academic policies into general education, required, and elective courses.
- Articulate any additional departmental or academic requirements, such as satisfying institutional and major field grade point average requirements, a passing grade in any comprehensive exams, or completion of a portfolio or final project.

In addition to providing degree requirements, the institution provides to service members, veterans, and their family members who have previous coursework from other accredited institutions and relevant military training and experiential learning an evaluated educational plan that indicates how many, if any, transfer credits it intends to award and how these transfer credits will be applied toward the student's educational program. The evaluated educational plan* will be provided within 60 days after the individual has selected a degree program and all required official transcripts have been received.

NHS College Policy for the Veterans Benefits and Transition Act of 2018

This policy complies with Title 38 United States Code Section 3679(e) School Compliance Form. This policy pertains to a Covered Individual which is any individual who is entitled to educational assistance under chapter 31, Vocational Rehabilitation and Employment, or chapter 33, Post 9/11 GI Bill benefits.

NHS College will permit any Covered Individual to attend or participate in the course of education during the period beginning on the date on which the individual provides to the educational institution a certificate of eligibility (COE) for entitlement to educational assistance under chapter 31 or 33 (a certificate of eligibility can also include a Statement of Benefits obtained from the Department of Veterans Affairs (VA) website, e-Benefits, or VAF 28-1905 form for chapter 31 authorization purposes) and ending on the earlier of the following dates:

- The date on which payment from VA is made to the institution.
- 90 days after the date the institution certified tuition and fees following the receipt of the certificate of eligibility.

NHS College will not impose any penalty, including the assessment of late fees, the denial of access to classes, libraries, or other institutional facilities, or the requirement that a covered individual borrow additional funds, on any covered individual because of the individual's inability to meet his or her financial obligations to the institution due to the delayed disbursement funding from VA under chapter 31 or 33. The COE or VAF 28-1905 must be presented to the institution no later than the first day of class.

NHS College will not drop any Covered Individual after the business office receives a copy of the VAF-28-1905 or receives a chapter 33 Post 911 Eligibility form from the certifying official who do not have additional charges such as meal plans, or anything above the Tuition and Fees. The Covered Individual must sign the payment plan, but will not be dropped if VA covers 100%.

NHS College does not offer loans to students and will not hold a Pell Grant as collateral to any Covered Individual which meets the criteria above, while the institution is awaiting payment by VA. NHS College will disperse Pell Grants with the same schedule as the student population.

If VA does not pay the institution, the student is responsible for all balances resulting from reductions or terminations of the student's enrollment. NHS College certifying officials will certify time periods in accordance with VA Auditors and existing VA policies.

GENERAL EDUCATION DEVELOPMENT (GED)

The Nueta Hidatsa and Sahnish College (NHSC), Adult Basic and Secondary Education and Literacy Education Program offer GED classes in the communities on the Fort Berthold Reservation. Our Adult Learning Centers (ALC) provide services to assist students increase their knowledge and improve their skills in the areas of Reasoning through Language Arts, Social Studies, Science, and Mathematics.

(GED) General Educational Development Test:

- Reasoning Through Language Arts (155 minutes): 25 min + 45 min extended response, break + 70 min
- Science (90 minutes): 2 short answers, 10 minutes each
- Social Studies (90 minutes): 65 min + 25 min extended response
- Mathematical Reasoning (115 minutes)

Acquiring a GED may take as short as a few weeks or as long as several months; variables include time away from school, availability for classes/studying, attendance, and motivation. The minimum age for enrollment and testing in North Dakota is sixteen (16). Candidates are not required to take any courses or to prepare in any way for the GED test. However, candidates may wish to assess their current academic skills or improve skills by attending the Adult Learning Centers, which provide instruction in the four content test areas. Students who have met the eligibility requirements will be awarded a diploma from the Department of Public Instruction when he/she has successfully taken and passed all four (4) GED exams with a minimum standard score of 150. Scores of 170 and above are considered "GED with Honors". A student who meets all the requirements will receive an original diploma and transcript. A duplicate transcript and/or diploma can be requested in writing from the Department of Public Instruction. There is a processing fee for each transcript and each duplicate diploma.

Why should you take the GED Test? A GED certificate is widely recognized as the equivalent of a high school diploma and can help you in the following ways: Employment, Education, and Personal Development.

For More Information Please Contact:

Betty Lockwood
GED Director
(701) 627-8096

Sierra Spotted Bear
GED Coordinator
(701) 421-1342

NHS COLLEGE SINGING SPRING LIBRARY AND LEARNING RESOURCE CENTER

NHSC Singing Spring Library and Learning Resource Center is an integral part of the NHSC educational process. The online catalog and multitude of subscription databases are significant information resources that support student learning and are available through the Library and Learning

Resource Center. A prominent feature of the collection is the Native American Studies holdings. The Special Collections contains titles about the Mandan, Hidatsa, and Arikara tribes as well as a Native literary collection. The Special Collection may only be used on-site.

Services include:

- Research and Information Retrieval Assistance
- Circulation-Online Public Access Computer (OPAC)
- Instruction for Library and Information Resources
- Study Area
- Viewing/Meeting Room
- Interlibrary Loan
- Audio Equipment
- Computer Use
- Internet Evaluation and Search Strategies

Circulating books are loaned for two weeks. Periodicals are loaned for 2 days. Videos/DVDS are loaned on a refundable deposit basis.

Library information services correspond with student learning by assisting the student and faculty to find, retrieve, analyze and use information.

TECHNOLOGY DEPARTMENT

The Nueta Hidatsa Sahnish College Technology Department offers a wide variety of services to support students, faculty, staff, and community in the daily operational management of the campus information technology infrastructure. Some of the supported areas include Network Accounts, Campus Information Systems, network infrastructure, hardware & software applications, print services, distance education, campus communications, and Internet access.

The Technology Office is located where the Administrative wing and Hidatsa Hall meet in Room 23. Technology Staff are available at the Help Desk Monday thru Friday from 8am-5pm.

Student Network Accounts

All Students are assigned an NHSC Student Network Account. This account allows students to log into campus computers, access print services, utilize installed software applications, access the Internet, and has limited Network Storage Services. This service is governed by the NHSC Acceptable Use Policy and students are required to verify they have read and understand these rules of use. Students are assigned a username and password during registration.

Student E-mail Accounts

All students are assigned an NHSC Student e-mail account at Registration. NHSC Student e-mail is the official means of communication between the institution and the student. Students should check their e-mail account regularly for school announcements and communications from instructors and staff of the College. Student e-mail or Web-Mail is accessed through the NHSC Web Site and utilizes the student's network username and password. This Web-Mail can be accessed from any computer on or off campus. Student e-mail and Network Accounts are kept active for 120 days after the students last semester of attendance.

myNHSC Student Accounts

myNHSC is a secure web portal that provides anytime, anywhere online access to a number of administrative, community and academic services such as: admission information, status of application, financial aid, course schedules, registration, degree audits, student grades and transcript requests, campus-wide announcements and calendars, discussion forums, bulletin boards, and online courses. Students are assigned a username & password that is provided at

Registration or e-mailed to the students' NHSC e-mail accounts at the end of registration. Students unable to log into their myNHSC should contact the Technology Office Help Desk at (701) 627-8024.

Laptop College

In 2020, NHS College made the move to a laptop institution. Each student needs to have a laptop to attend NHS College. Students are able to purchase a laptop through their book vouchers at Akademos. Being a laptop college assists students in having needed technology at home and the ability to bring their laptops with them to class to enhance learning.

Campus Computer Labs

The NHSC campus contains two rooms availablead throughout the campus and satellite campuses. Computers are available in room 40 and the Student Success center across from the Science classroom. Computer labs are available for student use when classes are not in session or reserved for other activities. All labs are equipped with PC based computers, Microsoft Vista or Windows 7 Operating Systems, which include Microsoft Office 2007 and many common third-party applications needed for classroom activities.

Campus Wireless Access

NHSC provides wireless internet access throughout all campus classrooms, offices and commons areas. Access is free and open to the public. Wireless connectivity is provided via the 802.11a and g spectrums. 802.11 g is backwards-compatible with 802.11 b. Printing is not currently supported for guests. Use of the campus wireless services is governed by the NHSC Acceptable Use Policy.

Campus News & Events System

- The **NHSC Web Site** is a great place to start to find information about the college. The web site is located at www.nhsc.edu.
- **myNHSC** contains announcements of interest to students.
- **Emergency Closings** due to weather are aired on KXMC TV Channel 13, KMHA 91.3 FM, and the College's Facebook page.
- **Nueta Hidatsa Sahnish College Facebook** provides a virtual social network and informational tool for members. Students who are members of Facebook can add NHSC to their profile to receive campus news and events, participate in student discussions, and receive real-time updates to their Facebook enabled cell phones.

Distance Education

- **North Dakota Interactive Video Network (NDIVN**) allows students separated by great distances to see and talk to each other. Using the latest advances in communications technology NHSC can provide courses, meetings, and seminars with North Dakota University System institutions and North Dakota Tribal Colleges. With the addition of the NDIVN Lecture and Lab classrooms NHSC is capable of delivering quality post-secondary programs and services to students who would not otherwise have access to these courses, improve the quality of offerings by sharing knowledge, courses, services and resources with other institutions, expand services to the state through cooperative arrangements with elementary, secondary, and vocational education, state agencies, the private sector, and other states.
- **Hybrid and Online Courses** are accessed through the myNHSC Web Portal available at www.nhsc.edu. Students use their myNHSC account to access their online course content. This service allows students to access courses that are academically challenging and utilize secure web pages & communication tools; such as e-mail, chat, list, discussion boards, etc. to communicate with instructors & other classmates. Students are introduced to myNHSC during Student Orientation and are provided help or support throughout the year

by the Technology Department. Students should have a working knowledge of the Internet, know how to use a web browser such as Internet Explorer, and be familiar with Microsoft XP/Vista/Windows 7 or compatible systems. Online courses can be accessed from any computer (With an Internet connection). More information can be found on the NHSC Web Site. For Hybrid courses, Faculty members will teach via Zoom or Microsoft Teams, in addition to using the myNHSC Web Portal.

STUDENT CLUBS AND ORGANIZATIONS

The College encourages the development and maintenance of student clubs and organizations. Students are invited to participate in extra-curricular activities on campus.

American Indian Business Leaders (AIBL)
The American Indian Business Leaders (AIBL) gives Business students the opportunity to participate in tribal college competitions which focus on Leadership and Business related topics.

American Indian Higher Education Consortium (AIHEC)
The American Indian Higher Education Consortium (AIHEC) sponsors student activities which include Student Recognition Awards, Student Congress, Academic Bowl, Business Bowl, Speech/Drama, Math/Science, Art/Poster Contest and basketball tournaments. The advisors for these clubs are volunteers and are generally faculty members, who have expertise and experience in specific areas.

American Indian Science and Engineering Society Chapter (AISES)
AISES promotes science activities and participates in reservation-wide K-14 science related programs. Students are often able to travel to regional and national AISES Conventions to present their research.

All Chiefs Society
The All Chiefs Society is a Native American Studies organization dedicated to the preservation of the Mandan, Hidatsa, and Arikara culture, language, and history. The organization also provides leadership, education and research opportunities valuing our traditional way of life. The organization plans cultural events like hand games, powwows, colloquia, elder speakers to relay our oral tradition and more. The All Chiefs Society is open to students, faculty, NHSC alumni, and tribal members.

Cultural Honors Society
The Cultural Honors Society is an academic organization under the Native American Studies Department mentoring students willing to engage in rigorous scholarship. Major criteria for the selection as one of four Cultural Honors Students include being on the honor roll and showing potential to conduct research. The research-based program serves to assist students in honing their research skills by conduction studies related to the Mandan, Hidatsa, and Arikara. Students receive opportunities to present their research locally, regionally, and nationally.

NHSC Horse Nation Student Club
As tribal people, our rich history includes close ties to our relatives, the Horse Nation. Today, while they may not have access to their own horses, many families are interested in continuing or returning to the horse culture way of life.

The NHSC Horse Nation Student Club is for any student who enjoys spending time with and/or learning about horses. The NHSC Horse Nation Student Club is part of the Department of Agriculture and Equine Science's initiative of working with our

horse relatives to provide innovative learning, living, and community services. The Horse Nation provides:

- Horse Fun Days and educational opportunities for kids and families
- Special event activities/rides and equine competitions
- Specialty horse care and horsemanship seminars
- Continuing Education horsemanship & wellness courses

Along with all the fun, we know that these opportunities support healthy living through outdoor activities, positive social support, and cultural grounding.

Science Research

The Science Department at NHSC currently has grant programs that enable tribally enrolled students to be employed to conduct research projects. These grants provide students with supervised experience in the process of conducting scientific research including planning, designing, implementing, evaluating, and reporting on an individual research project.

These projects are on a wide array of environmental and bio-medical sciences and are conducted with assistance from local, tribal, and federal agencies and personnel.

Student Senate

The Student Senate is the student's chief governing body, and all enrolled students are automatically members. The Student Senate organizes various student activities and college events, and it represents the students by giving them a voice to express their concerns and opinions to the faculty and administration. All students are encouraged to take an active role in this organization. Elections are held annually for officers from the membership at large. These offices include: Student body President, Vice President, Secretary, Treasurer and Student Representatives from the main campus and the communities. The Student Senate has a budget and a staff advisor.

Criteria for Executive Council: Any student running for election for an officer position (President, Vice President, Treasurer, Secretary) must be a full-time student and must be carrying at least twelve credits. The District Representatives and the Public Relations Person must be at least part-time, carrying at least six credits.

All candidates except for the first year students must maintain the appropriate grade point average of 2.0.

ASSESSMENT OF STUDENT LEARNING

Assessment of Student Learning at NHSC is designed to ensure that each segment of the College contributes in a positive way to the student's learning experience. Nueta Hidatsa Sahnish College believes that:

- Continual assessment and feedback produces an academic environment that enables each student to progress toward his or her potential.
- Nurturing students' human potential is vital to the well-being of the MHA Nation.
- Assessment supports the goal of producing students who can successfully continue their formal education at transfer institutions, or who are able to excel in their chosen career fields. Assessment also ensures the accountability of the college; validation of student learning likewise validates the expenditure of resources required to provide educational services.

Assessment is not confined to graduates. Upon entry to NHSC, all students who have not previously attended college, or plan to register for Mathematics or English courses, will be tested to determine

proficiency in Mathematics, Reading, and Writing. These tests will ensure proper placement of students in these courses, maximizing the likelihood of student success.

It is vital that students give full effort when participating in assessment activities, so the College can document successful learning outcomes. Students should also be aware that some regular class assignments may be used for Assessment purposes as well as part of their grade in the class.

Student Learning Assessment is performed on several levels:

Institutional Assessment
Institutional Learning Outcomes (ILOs) are mapped to the general education requirements, each program's core courses and measured implicitly in the General Studies Student Learning Assessment.

The five ILOs are:

1. Students will develop critical thinking skills
2. Students will be able to clearly communicate both orally and in writing
3. Students will effectively utilize quantitative reasoning, scientific methods and technology
4. Students will acquire intellectual concepts and dispositions that enable them to live and contribute as active and successful tribally educated participants in a diverse and global society
5. Students will have an awareness of emotional, mental, physical, social, and spiritual wellness

General Education Assessment
General Education at NHSC is measured in two different ways. Students must enroll in two institutional requirement courses: PSY 100 Psychology of Student Success during their first semester, and ASMT 200 Assessment of Student Learning during their final semester. During those courses, the WorkKeys test is administered as pre- and post- tests to measure critical thinking, quantitative reasoning, scientific reasoning, and writing.

Programmatic Assessment
Each Program has Program Learning Outcomes that are specific to the curriculum and certificate/degree level. Faculty assess their students in courses taken throughout the curriculum and aggregate the data annually. Program Assessment is demonstrated during bi-annual Program Reviews evaluated by a team of faculty and staff.

Course Assessment
Each course at NHSC has course learning outcomes that guide the teaching and learning in the course and align with the Program Learning Outcomes.

All four levels of outcomes are mapped to make sure that the Institutional Learning Outcomes are embedded into everything from the general education core to the programs to the courses. In addition, the five ILOs are assessed in NHSC's Co-Curricular programs to make sure that the learning that occurs at NHSC is a complete full-circle process.

ACADEMIC INFORMATION AND POLICIES

ACADEMIC ADVISOR

All students will be assigned an Academic Advisor, and are required to meet with this advisor during their first semester at NHSC, or prior to the completion of 16 semester hours of credit. Students must also meet with their advisor at or just prior to each term's registration. Each student must also take a one credit course with his/her advisor (or

department chair) during his/her last semester before graduation: Assessment of Student Learning (ASMT 200).

COURSE PLACEMENT EVALUATION

Course Placement Evaluation for English and math courses is required for all new NHSC students, NHSC students who have never had an evaluation or re-admitted students if they have not completed their math and English courses. The placement evaluation ensures that all students take the right level of English and math courses. Research shows that taking the proper sequence of math and English courses helps the student in those courses and is also beneficial to other classes taken. The results of the placement evaluation or testing do not affect admission to NHSC, but are required to meet established criteria of NHSC.

Students will take a pre-test on the first day of their math class to determine which level of math they should be enrolled in. The pre-test covers questions from Algebra through Trigonometry. Students who score 100% will be placed in Trigonometry, those who answer the first 20 questions correctly will be placed in College Algebra, those who score the first ten questions correct will be placed in Statway 1. Students who are unable to answer the first ten questions correctly will be placed in Statway Fundamentals.

Students who have taken college courses that fulfill the prerequisites for an NHSC English or math course will be placed in the appropriate course without further evaluation, but transfer courses must be evaluated for equivalency to NHSC course (see Transfer policy). Grades for these prerequisites must follow NHSC policy on grades for prerequisites, transfer grades, and requirements from some programs.

DECLARATION OF MAJOR

Students must declare a major during registration at NHSC. Only courses taken on the degree plan of that major can be used for computation of financial aid. During registration, students will be assigned an advisor in their area of study. At any time, if students wish to change their major, then they must fill out a Change of Major form found in the office of the Registrar.

A student may declare more than one major but is required to satisfy all the requirements for each major. Courses can be used for more than one major. A student must meet with each appropriate advisor to prepare a degree plan for each major. Degrees for each major will be posted separately on the student's transcript.

To receive financial aid, students are considered to have only one major and the courses they take that are covered by financial aid must be in the degree plan of that particular major. Financial aid will not cover courses in a second degree if the course is not required for the first degree. However, students taking 12 credit hours in their first major can take additional hours in the second major and receive full-time financial aid.

STUDENT CLASSIFICATIONS

The following student classifications for students attending NHSC are applied for Fall or Spring Semester:

- Full-Time Student: 12 credit hours or more
- Three-Fourths (¾) Time Student: 9-11 credit hours

- One-Half (½) Time Student: 6-8 credit hours
- Less than half time: 1-5 credit hours

The following student classifications for students attending NHSC are applied for Summer Semester:

- Full-time Student: 6 credit hours
- One-Half (½) Time Student: 3 credit hours

To see a more detailed breakdown of student classifications, please refer to the student handbook.

GRADUATION REQUIREMENTS

In order to graduate with a Bachelor of Arts Degree, Bachelor of Science Degree, Associate of Arts Degree, Associate of Science Degree, Associate of Applied Science Degree, or Vocational Certificate from the Nueta Hidatsa Sahnish College, candidates must:

1. Complete all general education and core professional requirements, or certificate requirements of the program in which enrolled.
2. Be enrolled at NHSC during their last academic term, except where the final term is completed elsewhere as part of an approved NHSC degree program. An example of such an exception is the Pre-engineering program, wherein students may transfer coursework back from the affiliated University after transferring in order to complete their Associate's Degree in Pre-Engineering.
3. Have a minimum cumulative grade point average of 2.00; NOTE: Some programs (e.g., Teacher Education) may have a higher GPA requirement, either cumulatively or by semester, AND may have restrictions on applying a course in which a grade of 'D' was earned toward the Degree; refer to the Program Description in this Bulletin, or consult Program faculty for details.
4. Submit an Application for Graduation form prior to the deadline listed in the Academic Calendar. A completed degree plan must accompany the application for graduation.
5. Pay all financial obligations to the College.
6. Meet the residency requirement of NHSC, which is a minimum of 24 semester hours for an Associate of Arts, Associate of Science, and Associate of Applied Science Degree; the last 32 semester hours for a Bachelor of Science or Bachelor of Arts Degree; 16 semester hours for a nine (9) month Vocational Certificate.
7. Return all NHSC property to the College. This includes library materials, laboratory equipment, sports equipment, and any other property and supplies.
8. Where applicable, complete an e-portfolio as a graduation project.
9. Complete the assessment examination within the ASMT 200 course.
10. Candidates for a Bachelor of Arts or Bachelor of Science Degree must have passed 32 semester credits in upper-division (courses numbered 300 and above) courses.

COMMENCEMENT

The College has two formal graduation ceremonies. One is held in December after the fall semester and the other is held in May after the spring semester. If students do not attend the graduation ceremony, they must make arrangements with the Registrar to receive their degrees by mail.

GRADING

The College uses letter grades to evaluate a student's work in each course. The student is responsible for meeting the course requirements in order to receive a grade and credit. The instructor

determines the final grade. The number of honor points earned and grade interpretations are:

Grade	Interpretation	Honor Points
A	Superior	4
B	Above Average	3
C	Average	2
D	Below Average	1
F	Failure	0
I	Incomplete	0
W	Withdrawal	0
P	Pass	0
GF	Grade Forgiveness	0
WF	Unearned F	0

Pass (P) grades may only be given for internships, practicum, workshops, and courses with notification to the Curriculum Committee.

AUDITING A COURSE

1. If a student wants to officially register for a class without earning a letter grade or credit, the course may be scheduled as an audit. The cost incurred is $40.00
2. A student auditing a course may be required to participate fully in the class. Expectations should be clarified with the course instructor at the start of the semester.
3. To schedule an audit, the student registers for the course in the Registrar's Office. The student should write "AU" in place of credits on the form. The course will appear on the student's semester schedule as though it has been scheduled for credit.
4. A course may be dropped for credit and added for audit or dropped for audit and added for credit only during the drop/add period for the course. Student Accounts will be notified and will make changes on the student bill.
5. A course scheduled for audit will appear on the student's record with the symbol "AU" if attendance was regular or "W" if the attendance was unsatisfactory. No credit is earned, and the student's grade point average is not affected.
6. Credits for a course being audited are counted by the Registrar as part of a semester credit load in determining an overload. Credits for a course being audited are not counted for the following:
   a. Determining enrollment
   b. Determining financial aid status

ACADEMIC BANKRUPTCY

As of Fall 2019, Nueta Hidatsa Sahnish College no longer allows Academic Bankruptcy.

GRADE APPEAL PROCEDURE

A course grade is considered final unless the student or instructor files an appropriate appeal. For the student who has reason to believe the grade issued is incorrect, the following Grade Appeal Procedure must be followed:

Student Appeal Procedure

A student has up to six (6) weeks from the end of the semester from which the final grades were submitted to initiate an appeal.

1. Initial Appeal: The student must discuss the grievance with the instructor or staff member from whom the disagreement stems. If the matter cannot be settled at this point, the student then has the responsibility to confer with the Vice President of Academics within three (3) working days. The student may ask a faculty or staff member to attend the meetings with the student.

2. Submission of Written Appeal: If the student is not satisfied with the verbal conference with the Vice President of Academics, she/he must submit a written Appeal to the Vice President of Academics within five (5) working days and she/he will receive a written response from the Vice President of Academics within five (5) working days.
3. Appeal Committee: If the student is not satisfied with the written response, she/he has five (5) working days to request in writing that the Appeals Committee hear the matter. This request is given to the Vice President of Academics and a hearing will be scheduled within five (5) working days.

The Appeal Committee shall be comprised of the following:

a. Vice President of Academics
b. Faculty Chair or Academic Dean (unless he/she is party to the appeal)
c. One faculty member selected by the student
d. One staff member selected by the student
e. Vice President of Student Services

Committee Procedure:

1. The student will address the Committee, stating his/her reasons for believing that the grade should be changed. The student should have a written synopsis of his/her argument.
2. The committee will then hear from the instructor, who will provide his/her arguments for keeping the current grade. The instructor should likewise bring any supporting documents that he/she feels are relevant
3. The committee shall then vote on the appeal; the VP of Academics shall vote only to break a Tie.
4. The Committee's decision shall be submitted in writing to the President within five (5) working days of the hearing, and the President may either uphold or over-rule it.
   a. The instructor may appeal a decision in favor of the Student.
   b. If the Committee votes to deny the appeal, the President will automatically review the decision.
   c. The President shall transmit (via letter, e-mail, or both) the final outcome of the appeal.
5. The recommendations of this committee will be given to the NHSC President within five (5) working days of the hearing. The President will have an additional five (5) working days to decide whether to accept the recommendation of the committee or to render a different decision. The President will notify the student in writing within that time frame.

The decision of the President is final and there are no further means of appeal to be made.

Instructor Appeal Procedure

An instructor has up to six (6) weeks from the end of the semester from which the final grades were submitted to initiate an appeal.

If an instructor feels that she/he submitted the incorrect grade for a student, he/she must submit a written Appeal to the Vice President of Academics. The Appeal must fully explain the error(s) made, and provide documentation that the student earned a grade different from the one submitted. A completed Change-of-Grade Form should accompany the Appeal. The instructor will then receive a written response from the Vice President of Academics within five (5) working days.

The Vice President of Academics may either:

1. Approve the change, sign the change-of-grade form, and forward it to the Registrar, or
2. Convene the Appeals Committee, which shall approve or disapprove the appeal.

GRADE POINT AVERAGE

A student's scholastic standing of Grade Point Average (GPA) is obtained by dividing the number of honor points earned for that semester by the current total semester hours attempted. The cumulative or total GPA is obtained by the same method using overall semester hours attempted and overall honor points earned from NHSC and all transferred credit. Grades of W, P, and I are disregarded when figuring grade point averages.

Figuring Grade Point Average

Course Title - Course Grade - #Credits – Honor Points - Points Earned:

ENG 110	B	4	x 3	12
MA 101	C	4	x 2	8
NAS 113	A	4	x 4	16
ECON 201	F	3	x 0	0

TOTAL: 15 credits and 36 Points
Semester GPA: 36/15=2.40

TRANSFER CREDITS

Students who have attended college elsewhere must notify Nueta Hidatsa Sahnish College of all previous enrollments. Students are required to have all official transcripts sent to the Registrar.

Courses taken at another institution will be evaluated for possible transfer credit. To be transferred the coursework must meet the following criteria:

- Course was earned at an accredited institution
- It is college-level coursework (minimum of 100-level)
- The student received at least a C in the course
- The coursework is documented on an official transcript sent to the NHSC Registrar from the Institution at which the coursework was completed
- The completed course has sufficiently equivalent content to a course required by NHSC

A student's academic advisor will determine which credits satisfy specific curriculum requirements within the student's degree plan. This process may require more information on the course content (course descriptions, syllabi, etc.) when obtainable.

The advisor will record the transferred courses and the number of credits transferred on the student's degree plan and then provide this information to the Registrar. Only courses documented on an official transcript will be evaluated.

Transfer credits that apply to the student's degree plan will be used to calculate their overall GPA. If a student changes degree plans, the credits for the previous degree plan will continue to be used to calculate GPA.

ADMINISTRATIVE DROP

NHSC faculty members reserve the right to withdraw a student from any course. Prior to an administrative drop, the faculty must send an Early Alert Form to alert the student. The purpose of administrative withdrawal is to limit the financial liability and academic consequences for the student. Reasons for administrative drop include, but are not limited to:

- Lack of attendance – Students who have excessive or extended absences in a face-to-face class may be dropped. It is up to each instructor as to what is excessive or extended, and will differ depending on the course length and weekly schedule. Students in on-line, hybrid, or independent study courses who fail to make contact with the instructor either in

person or electronically within the first two weeks and/or a minimum of once a week thereafter may also be dropped.

- Prerequisites not met – Students who are unable to show completion of required courses or who do not have the background needed to succeed in the course may be dropped.
- Academic dishonesty – Students involved in any form of dishonesty may be dropped as per discretion of the instructor.

Students should not assume they are automatically withdrawn. Instead, they are strongly encouraged to check with the instructor of the course.

Students will remain responsible for any financial liability they have incurred, less applicable refunds, and for any academic and financial aid consequences due to the administrative withdrawal.

If an administrative withdrawal occurs before the add/drop date set by the registrar's office, the course will not appear on the student's transcript. After the add/drop date, a "W" will appear for that course. An administrative drop can be given up to two weeks before the last day to withdraw as assigned by the registrar's office.

Students will receive notification from the registrar by mail that they will be administratively dropped if they do not directly appeal to the instructor within one week. A copy of the notification will be sent directly to the instructor as well as to the Vice President of Student Services for recording.

Students who feel they have been wrongfully withdrawn should follow the appeal process:

1. A student has one week from receiving the notification from the registrar to appeal in writing to the instructor. The instructor will meet with the student within three working days.
2. If the matter cannot be settled within those three working days, the student has the responsibility to confer with the Vice President of Academics within three additional working days. The student must give a copy of the written appeal to the Vice President of Academics. The Vice President of Academics will meet with the student, Faculty Chair, faculty member, and the Vice President of Student Services. A recommendation and/or decision will be made at this meeting.
3. The student must attend class during the appeal process. If he/she does not attend class during the appeal process, the Vice President of Academics may decide to omit step 2 of the appeal process, and the student will remain administratively withdrawn.

COURSE CHALLENGE

The Challenge Program at NHSC is designed to free students from taking courses where content has already been mastered. Students enrolled at NHSC in good standing may submit a request to challenge any courses listed in the college bulletin. Students are allowed to challenge three credits per semester, but students cannot challenge more than twelve total credits. The same course may not be challenged twice.

The procedure for challenging a course is:

1. Contact the course instructor to obtain approval for a challenge exam or credit for prior learning/training, using the Course Challenge Form (CCF).
2. If approval is obtained, present the form to the Vice President of Academics for approval.
3. Present the form to the Business Office and pay and fees due.
4. Return a copy of this form to the instructor and arrange to take the examination or submit documentation of prior learning/training; the instructor will note the grade, and provide a 'P' or 'F' on the form.

5. Return the completed form to the Vice President of Academics for the office records.
6. The instructor forwards the grade to the Registrar's Office. Pass credit is given if a grade of "C" or better is reported on the exam, or documentation of prior learning/training is deemed sufficient.
7. An exam to challenge a course may be taken only once; refusal of documentation of prior learning/training may be appealed to the Vice President of Academics.

INCOMPLETES

The Incomplete (I) grade may be granted when students are unable to complete course requirements for reasons beyond their control or by circumstances created by the college. A contract, complete with requirements, between the student and the instructor, must be signed by the student, the instructor, and the Vice President of Academics, and submitted to the Registrar. The instructor and the Registrar's Office will retain a copy of the contract requirements. The time deadline (no later than the end of the 6th week of the following semester for Fall and Summer classes, or the end of the following Summer term for Spring classes) negotiated by the student and the instructor for completing the work will be included in the requirements. A 'Default' letter grade, which indicates the student's final grade if no additional work is submitted, is indicated on the Contract. Instructors MUST submit a Change-of-Grade Form to the Registrar by the end of the Incomplete Contract period to award the student a grade other than the Default.

SATISFACTORY ACADEMIC PROGRESS (SAP)

NHSC has set the following standards for maintaining Satisfactory Academic Progress:

A student pursuing a Bachelor's Degree is required to complete a minimum of 120 semester hours, and is considered to be making satisfactory academic progress if their semester GPA meets the following minimum standards.

Semester	Semester GPA
First	1.50
Second	1.75
Third and following	2.00

A student pursuing an Associate of Arts or Associate of Science Degree is required to complete a minimum of 60 semester hours, and is considered to be making satisfactory academic progress if their semester GPA meets the following minimum standards.

Semester	Semester GPA
First	1.50
Second	1.75
Third and following	2.00

Vocational Students are considered to be making satisfactory academic progress if their semester and cumulative GPA meet the following minimum standards.

Semester	Semester GPA
First	2.00
Second	2.00

All Students must have a 2.00 cumulative GPA to graduate.

ACADEMIC PROBATION AND SUSPENSION

Academic Probation or Suspension occurs under the following conditions:

1. Academic Probation:
   Academic Probation occurs when a student's GPA does not meet the SAP criteria previously listed. Such students will remain on Continued Academic Probation at the end of the next semester if their semester or cumulative GPA falls below the minimum standards.
2. Reinstatement:
   Students must achieve the minimum SAP standards for both the semester and cumulative GPA in order to be removed from academic probation status.
3. Academic Suspension:
   Any student who fails in two (2) successive semesters to achieve Satisfactory Academic Progress will be suspended. This academic suspension means that the student will not be eligible to enroll for a period of one (1) semester. The student can appeal their academic suspension within thirty-(30) days of the Registrar receiving final grades. When the student returns, the student enters on Continued Academic Probation.
   - Upon the student's return, if the student fails to make Satisfactory Academic Progress, per NHSC minimum semester and cumulative GPA standards, the student will be suspended for a period of one (1) academic year.
   - Students may appeal suspension through the Student Affairs Committee as found in the NHSC Student Handbook.
   - Students must file a petition with the Vice President of Student Services to enroll at NHSC after each Academic Suspension.

GRADE REPORTS

Final grade reports are reported on myNHSC at the end of the semester. Only final grades are recorded on transcripts.

TRANSCRIPTS

An official transcript contains the Registrar's signature, official stamp and College seal. Official transcripts are sent only between institutions. An unofficial transcript does not have the Registrar's signature, official stamp, or College seal. It is issued directly to the student.

All financial obligations to the college must be paid prior to the release of an official transcript.

All attempts will be made to release transcripts within five (5) working days. This will give the College processing time to verify whether financial obligations exist.

Transcript Request Procedure:
The Registrar will process a transcript request using the following procedures:

1. Obtain a Request for Transcript form.
2. Return transcript form or written request to the Registrar.
3. If financial obligations exist and a transcript is not released, the Registrar will notify the student in writing.

Note: Transcripts will not be issued as a result of telephone requests.

SCHOLASTIC HONORS

NHSC acknowledges the importance of awarding deserving students who have distinguished themselves by their high scholastic achievement. These students will be placed on the Scholastic Honor Roll at the end of each semester. In order to be eligible, students must have been enrolled full time and have no Incomplete grades. The required GPAs are:

President's List:
Have achieved a GPA in the range of 3.80 to 4.00 for the semester.

Dean's List:
Have achieved a GPA in the range of 3.50 to 3.79 for the semester.

Honor List:
Have achieved a GPA in the range of 3.00 to 3.49 for the semester.

SCHOLASTIC HONORS AT GRADUATION

Students receiving an Associate's Degree may graduate with one of two distinctions:

1. *High Honors* is awarded to the graduate who has achieved a cumulative GPA of 3.80 and above.
2. *Honors* is awarded to the graduate who has achieved a cumulative GPA of 3.50 to 3.79.

Students receiving a Bachelor's Degree may graduate with one of three distinctions:

1. *Summa Cum Laude* is awarded to the graduate whose grade-point average is 3.900 or higher.
2. *Magna Cum Laude* is awarded to the graduate whose grade-point average is 3.700-3.899.
3. *Cum Laude* is awarded to the graduate whose grade-point average is 3.500-3.699.

Honor graduates must complete the minimum required semester hours at NHSC.

ATTENDANCE

Instructors will inform the students at the beginning of the course in writing of their attendance policy. In case of illness, it is the responsibility of the student to notify the instructor. Students who expect to be absent for a legitimate reason must notify their instructors prior to their absence. The instructor will decide whether the student should be allowed credit for make-up work. Instructors determine the point at which absences become excessive and a written warning (Early Alert Form) will be given to the Student Services Office. The Vice President of Student Services and Guidance Counselor will be notified of all excessive absences.

REPEATING A COURSE

Students may repeat a course. However, the first grade is never removed from the transcript. The last grade a student receives in the repeated course is used in computing the cumulative GPA.

FINAL EXAM POLICY

Students are required to take their finals during the time scheduled by the instructor. A make-up final will be granted when students are unable to take the regularly scheduled final for reasons beyond their control or by circumstances created by the College.

ADD/DROP PROCEDURES

A student who has registered and who wishes to change a class or classes may obtain an add/drop form from the Registrar. The last day to add or drop a course is listed in the Academic Calendar. If dropped by this deadline, the course will not appear on the student's transcript. If a student drops a course after this deadline, a letter grade of "W" will appear on the student's transcript. Exceptions to deadlines require going through the Student Affairs

Review Process described below. **Students do not drop simply by ceasing to attend class; they must sign an official drop form.**

Procedures: Students will use the following procedures to add and drop courses.

1. Obtain Add/Drop form from the Registrar.
2. Complete Add/Drop form.
3. Obtain advisor's and instructor's signatures.
4. Return form to Registrar; retain copy of Add/Drop form.

The Student Affairs Review Process has been established for students who encounter situations involving extenuating circumstances, or emergencies potentially affecting their educational records, that fall outside the realm of normal NHSC policy and procedures. Students may petition to be withdrawn from a class after the drop deadline for non-academic emergencies, such as a serious injury or illness, death in the family, and under some circumstances, employment. *For more information on the Student Affairs Review Process refer to the Student Handbook.*

TOTAL WITHDRAWAL FROM COLLEGE

Students who wish to withdraw from all classes must do so before the deadline listed in the Academic Calendar. If a student withdraws prior to this deadline, a "W" will be entered on the transcript for each course in which the student was registered. Students who do not formally withdraw or do so after the deadline, will receive a letter grade as assigned by the instructor. Students do not withdraw simply by non-attendance. They must sign an official withdrawal form and return it to the registrar.

Note: Students who withdraw after the fourth week are still responsible for their full educational cost.

Procedure: The following procedure will be used to totally withdraw from college.

1. Obtain withdrawal form from the Registrar.
2. Complete the form.
3. Obtain the Counselor's signature by completing an Exit Interview.
4. Obtain Vice President of Student Service's and Advisor's signatures.
5. Return form to Registrar; retain copy of Withdrawal form.

CREDIT/SEMESTER HOUR DESCRIPTION

At Nueta Hidatsa Sahnish College the Fall and Spring semesters are college terms averaging fifteen (15) weeks of instruction and one (1) week for final exams, for a total of sixteen (16) weeks. In a lecture course, a semester hour of credit represents fifteen contact hours; in a laboratory course, one semester hour of credit represents thirty contact hours; and in practica and field experience courses, a semester hour of credit is equivalent to forty-five contact hours. As is typical for institutions of higher education, for every hour spent in class, students are expected to work on the course for two hours out-of-class.

BULLETIN/COURSE EXPIRATION

When a student originally enrolls at NHSC, he/she is assigned a degree plan. As long as the student is continually enrolled, he/she can utilize the original degree plan OR convert to a modified plan, if applicable. However, if a student stops out and returns to NHSC after more than five years, he/she must adopt the bulletin in use at the time of his/her return. This means that no degree plan more than

five years old may be used by a student who has not been continually enrolled.

Students also need to be aware that a course taken more than seven (7) years prior to the student's current semester **may** need to be re-taken. This varies by department; the student and his/her advisor, should consult with the relevant Department Chair to determine whether the course(s) in question are still valid.

COURSE LOAD LIMITATION

A normal course load for a full-time student in the Fall or Spring semester ranges from twelve (12) to sixteen (16) semester hours. A student wishing to enroll in more than eighteen (18) semester hours must obtain prior approval from the Vice President of Academics.

Course load requirements may vary in Vocational certificate programs.

A student will not be allowed to enroll in more than two (2) concurrent courses during a summer session. Overload credits must be approved by the Vice President of Academics.

Overload Requirements:

a. A prior semester grade point average of 3.00.
b. No incomplete grades.
c. Approval of the Vice President of Academics

The following procedures will be used to petition for overload:

1. Obtain Petition for Overload form from the Academic Dean.
2. Complete the form.
3. Obtain Advisor and Vice President of Academics signatures.
4. Return form to Registrar.

INDEPENDENT STUDY

An Independent Study is regular coursework presented on an individualized basis. The number of contact hours between student and instructor must total at least 15.

Independent study is available only to sophomore (or senior, in baccalaureate programs) students who need a particular course to complete the requirements of an established program of study in order to graduate by the end of that semester.

For each course taken by independent study, the student must complete an independent study contract with the instructor and Vice President of Academics; a copy of this contract must be submitted to the Registrar. The contract must specify the meeting times between Student and instructor, and have attached a copy of the course syllabus to indicate that the student is expected to complete all assignments and exams required of regular students.

A $50 fee will be charged to the student for each Independent Study class.

Independent study should NOT be viewed as a Bypass for the regular class; students who have failed or withdrawn from the regularly scheduled class within the prior academic year will need to justify in writing (and, where appropriate, with documentation) their reasons for not completing the regularly scheduled class.

Requirements:

a. A prior semester grade point average of 3.00.
b. No incomplete grades.
c. Approval of the Vice President of Academics

Procedures: The following procedures will be used to request an Independent Study:

1. Obtain an Independent Study Contract Template
2. Complete the Contract
3. Obtain all required signatures
4. Submit contract to the Registrar along with the Registration Form

ENROLLMENT POLICY FOR DUAL CREDIT AND DUAL ENROLLMENT

Dual Credit: The fifty-fifth legislative assembly of the State of North Dakota passed senate bill number 2033 at the 1997 session. The bill allows juniors and seniors in North Dakota's public schools to take courses offered by an approved post-secondary institution for both high school and post-secondary credit. Dual Credit students are limited to two courses per semester and the course(s) must be at Freshman Level. Dual credit students must submit a Dual Credit Form that they receive from their high school for each course and follow standard admission procedures. Only high school students are eligible for the Dual Credit program.

Dual Enrollment: High school juniors and seniors may apply for admission to take courses. A Dual Enrollment student is not seeking Dual Credit. Dual Enrollment students are limited to two courses per semester and the course(s) must be at Freshman Level. Students must follow standard admission procedures.

MINIMUM CLASS SIZE

According to NHSC policy, classes offered and held must have a minimum of five (5) paying students. The only exception to this is if a student needs the class to meet requirements for graduation in the current term. In order for anyone to audit the class there must first be five (5) paying students; this also includes full-time faculty and personnel.

STUDENT CLASSIFICATION

Freshman - earned less than 32 credits.
Sophomore - earned from 32 to 60 credits.
Junior - student is in a baccalaureate program and has earned from 61 to 90 credits.
Senior - student is in a baccalaureate program and has earned over 90 credits.

STUDENT EMERGENCY FUND

The Student Emergency Fund may be available to provide students with assistance in funding for academic and retention purposes. Students are required to be in good standing with class attendance and grades and are required to do three hours of community services within NHSC. Contact the Vice President of Student Services for assistance.

CAMPUS SERVICES

ONLINE BOOKSTORE

Created in partnership with Akademos, Inc. and powered by TextbookX, the Online Bookstore simplifies the textbook ordering process

for students and faculty while providing a variety of physical and digital textbook formats.

Students log in with an MyNHSC username and password then select what they need from new, used, eBook, and rental options as well as having the choice to buy books from third-party marketplace merchants or other students around the country.

Students are able to use their Bookstore Voucher to pay for their books through our online Bookstore. What is a Bookstore Voucher? It is a way for students to purchase their books without the need to enter a credit card. The voucher allows students to "charge" their books and essential items required per class to their NHSC student account. The amount of the charges a student uses from their bookstore voucher, will be paid back through the students Pell award, scholarships or a direct payment to NHSC. Students are not able to purchase anything other than their required books, equipment and ancillary items, along with a one-time purchase of a Dell laptop to use for educational purposes.

For more information contact: Bookstore Manager (701) 627-8051.

FOOD SERVICES

Drinks are available via vending machines.

The Student Union contains a cafeteria, which provides breakfast and lunch, plus special meals by prior arrangement. Please contact the Food Service Director for more information at 701-627-8046.

SECURITY

Security for the main campus, students, and staff is provided by NHSC. Please contact Director of Security for more information at 701-627-8052.

ACADEMIC PROGRAMS OF STUDY

DEGREES

The Nueta Hidatsa Sahnish College curricula are organized programs of study designed to provide opportunities for developing the necessary skills, competencies, and experiences in chosen program areas. This will enable students to achieve their educational goals.

The Nueta Hidatsa Sahnish College offers the Bachelor of Arts Degree, Bachelor of Science Degree, Associate of Arts Degree, Associate of Science Degree, Associate of Applied Science Degree, and Vocational Certificate of Completion.

BACHELOR OF ARTS AND BACHELOR OF SCIENCE

The Bachelor of Arts (BA) & Bachelor of Science Degree (BS) programs are designed to provide a recognized course of instruction that leads to professional competence in the student's area of study. These programs also prepare the student for graduate work in the field.

The *two (2) Bachelor of Science Degree Programs* offered at Nueta Hidatsa Sahnish College are:

- Elementary Education
- Environmental Science

The o*ne (1) Bachelor of Arts Degree Program* offered at Nueta Hidatsa Sahnish College is:

- Native American Studies

ASSOCIATE OF ARTS AND ASSOCIATE OF SCIENCE

The Associate of Arts (AA) & Associate of Science Degree (AS) programs are designed to provide a recognized course of instruction that leads to credits transferable to other institutions of high education. These programs also prepare the student for employment in a variety of areas.

The *seven (7) Associate of Arts Degree Programs* offered at the Nueta Hidatsa Sahnish College are:

- Addiction Studies
- Business Administration
- Early Childhood Education
- Elementary Education
- Human Services: Social Work Concentration
- General Studies
- General Studies Nursing Transfer
- Native American Studies

The *seven (7) Associate of Science Degree Programs* being offered at Nueta Hidatsa Sahnish College are:

- Computer Science
- Environmental Science
- Equine Studies
- Mathematics
- Pre-Engineering
- Science
- Sustainable Energy Technologies

VOCATIONAL CERTIFICATES

Nueta Hidatsa Sahnish College recognizes a continuing need to expand educational opportunities beyond the traditional academic disciplines. The Vocational curriculum is designed to meet practical instruction and training needs of the Reservation communities. Vocational Education Certificates provide an alternative approach to educational programs in both design and duration.

The *four (4) Vocational Certificates offered* at Nueta Hidatsa Sahnish College are:

- Comp TIA A+
- Early Childhood Associate
- Entrepreneurship
- Welding Technology

NHSC'S INSTITUTIONAL LEARNING OUTCOMES

General education at the Nueta Hidatsa Sahnish College is an integral and important part of the student's college experience. General education provides students learning experiences that reinforce NHSC's Institutional Learning Outcomes:

1. Students will develop critical thinking skills.
2. Students will be able to clearly communicate both orally and in writing.
3. Students will effectively utilize quantitative reasoning, scientific methods and technology.
4. Students will acquire intellectual concepts and dispositions that enable them to live and contribute as active and successful tribally educated participants in a diverse and global society.
5. Students will have an awareness of emotional, mental, physical, social, and spiritual wellness.

GENERAL EDUCATION REQUIREMENTS

The following general education requirements must be completed to earn a Bachelor of Arts, Bachelor of Science, Associate of Arts, Associate of Science, or Associate of Applied Science degree from Nueta Hidatsa Sahnish College.

Bachelor of Arts (BA) & Bachelor of Science (BS)
35 Credit Hours

- English Composition – 6 credits
  - ENG 110
  - ENG 120
- Communication – 3 credits
  - COMM 110
- Social Sciences – 6 credits
- Arts & Humanities – 6 credits
  - NAS 201
  - Tribal Language
- Laboratory Science – 4 credits
- Mathematics - 4 credits
  - MA 103 or higher
- Technology – 3 credits
- Wellness – 2 credits
- Foundations & Fitness – 1 credit
  - PSY 100

Associate of Arts (AA) & Associate of Science (AS)
36 Credit Hours

- English Composition – 6 credits
  - ENG 110
  - ENG 120
- Communication – 3 credits
  - COMM 110
- Social Sciences – 6 credits
- Arts & Humanities – 6 credits
  - NAS 201
  - Tribal Language
- Laboratory Science – 4 credits
- Mathematics – 4 credits
  - MA 103 or higher
- Technology – 3 credits
- Wellness – 2 credits
- Foundations & Fitness – 2 credits
  - PSY 100
  - ASMT 200

Associate of Applied Science (AAS)
22 Credit Hours

- English Composition – 3 credits
  - ENG 110 or BOTE 210
- Communication – 3 credits
  - COMM 110
- Arts & Humanities – 6 credits
  - NAS 201
  - Tribal Language
- Mathematics – 3 credits
- Technology – 3 credits
- Wellness – 2 credits
- Foundations & Fitness – 2 credits
  - PSY 100
  - ASMT 200

ELIGIBLE COURSES FOR GENERAL EDUCATION

Composition & Communication
ENG 110 Composition I
ENG 120 Composition II
COMM 110 Fundamentals of Public Speaking

Arts & Humanities
ART 130 Drawing I
ART 160 Painting I
EDU 238 Children's Literature
*ENG 211 Introduction to Creative Writing

*ENG 221 Introduction to Drama
ENG 265 Native American Literature
GAT 103 Electronic Imaging I
GAT 109 Electronic Imaging II
HUM 101 Humanities I
*HUM 102 Humanities II
*HUM 104 Native American Women
*PHIL/NAS 203 Native American Philosophy
NAS 10 Introduction to Indian Studies
NAS 102 Comparative Spiritual Beliefs
NAS 103 Cultural Foundations of the TAT
NAS 105 Native American Art
NAS 113 Hidatsa I
NAS 114 Hidatsa II
NAS 115 Mandan I
NAS 116 Mandan II
NAS 117 Arikara I
NAS 118 Arikara II
NAS 201 History of the TAT
*NAS 205 NA Indian Issues in Film
NAS 213 Tribal Government

Social Sciences
ARSC 311 Trauma-Focused EAS
*ANTH 104 Cultural Anthropology
HIST 103 United States to 1877
HIST 104 United States Since 1877
HIST 220 North Dakota History
CJ 201 Criminal Justice
ECON 201 Microeconomics
ECON 202 Macroeconomics
*GEOG 150 Introduction to Geography
POL SCI 114 American Government
POL SCI 115 State and Local Government
POL SCI 234 Basic Indian Law
*POL SCI 250 Public Administration
PSY 111 Introduction to Psychology
PSY 250 Developmental Psychology
PSY 270 Abnormal Psychology
SOC 110 Introduction to Sociology
*SOC 115 Family Science
SOC 215 Marriage and the Family
SWK 255 Social Work as a Profession
SWK 256 Introduction to Social Welfare

Mathematics
MA 103 College Algebra
MA 104 Finite Mathematics
MA 105 Trigonometry
*MA 106 Ideas in Math
MA 107 Pre-Calculus
MA 165 Calculus I
MA 166 Calculus II
*MA 208 Discrete Mathematics
MA 209 Statway II Statistics
MA 210 Elementary Statistics

Laboratory Science
BIO 206 Ethnobotany
BIO 111 Concepts of Biology
BIO 124 Environmental Science
BIO 150 General Biology I
BIO 151 General Biology II
BIO 202 Introduction to Microbiology
BIO 220 Anatomy and Physiology I
BIO 221 Anatomy and Physiology II
CHEM 115 Introductory Chemistry
*CHEM 116 Intro to Organic and Biochemistry
CHEM 121 Chemistry I
CHEM 122 Chemistry II
GEOL 100 Earth Science
PHY 105 Physical Science
PHY 211 Physics
PHY 251 University Physics I

Technology
BIT 220 Management Information Systems
BOTE 247 Spreadsheet Applications
CIS 115 Using the Internet
CSCI 101 Introduction to Computers
CSCI 120 Intro to Computer Programming
*CSCI 160 Computer Science I
*CSCI 161 Computer Science II
EDU 222 Technology for Teachers
ENGR 115 Intro to Engineering w/AUTOCAD
GEOG 125 Fundamentals of GPS/GIS/RS
GAT 103 Electronic Imaging I
GAT 109 Electronic Imaging II

Wellness
ARSC 260 Intro to Equine Studies
ARSC 261 Basic Horsemanship
ARSC 361 Intermediate Horsemanship
HPER 101 Walking
HPER 102 Fitness
HPER 103 Archery I
HPER 104 Advanced Fitness
HPER 105 Aerobics
HPER 115 Golf
HPER 143 Fitness for Equestrians
HPER 150 Advanced Basketball
HPER 210 First Aid/CPR
HORT 111 Organic Gardening
HORT 112 Organic Gardening II
NAS 120 Native American Hand Games
NAS 119 Native American Singing
NAS 204 Native American Health Perspectives
NAS 225 Traditional Gardening & Foods
NAS 309 Amer. Indian Religion & Spirituality
PH 111 Intrdspln. Approach to Public Health
PSY 115 Horses & Holistic Health

NHSC Institutional requirements
PSY 100 Psychology of Student Success
ASMT 200 Assessment of Student Learning

ALPHABETICAL LISTING OF PROGRAMS

ADDICTION STUDIES

Degree: Associate of Arts
Credit Hours Required: 65
Human Services Addiction Studies (A.A.) curriculum offers the student paraprofessional level of competencies necessary in the field of addiction helping professional. Students have potential to transfer to a four-year college. Addiction Studies Associates Degree is theoretical knowledge regarding the nature, etiology, and treatment of alcohol and other drug issues. This program focuses on science based addiction education to prepare the student for career opportunities in the addiction profession.
Program outcome:

- The student will gain and understanding of the dynamics of addiction
- The student will understand the process of counseling, knowledge and reasoning in the profession of addiction.
- The student will have an understanding of scientific inquiry and thinking as it applies to addiction and skills development.
- The student gain basic concepts of human behavior and interrelationships as it pertains to addiction

Professional Course Requirements:

ADS 215 Ethical & Legal Issues in the Substance Abuse Profession	3
ADS 220 Alcohol Drugs Helping Skills & Lab	4
ADS 222 Alcohol & Drug Group Interaction & Lab	4
ADS 223 Alcohol and Drug Treatment Continuum	3
SOC 215 Marriage & Family	3
SWK 106 Domestic Violence	3
SWK 256 Social Welfare	3
PSY 201 Dynamics of Adjustive Behavior & Mental Health	3
PSY 244 Dynamics of Addiction	3
Total Semester Hours:	**29**

General Education Course Requirements
See: General Education Requirement
(PSY 111 Intro to Psychology and PSY 270 Abnormal Psychology are directed electives under the Gen Ed Requirements)

Total Semester Hours:	**36**
Cumulative Hours:	**65**

NUETA HIDATSA SAHNISH COLLEGE
ASSOCIATE OF ARTS DEGREE PROGRAM
ADDICTION STUDIES
2021-2022 (65 Credits)

STUDENT NAME: _____ ID# _____

DATE PLAN BEGAN: _____ **MAJOR:** _____

OTHER COLLEGES ATTENDED: _____

Term/Year	Course/Number	Course/Title	Credits	Grade
COLLEGE PREP COURSES *(As Advised)*				
F SP SU	_____			_____
F SP SU	_____			_____
GENERAL EDUCATION COURSES *(36 Credits required)*				
ENGLISH & SPEECH (9)				
F SP SU	_____	COMM 110	Fundamentals of Public Speaking	3	_____
F SP SU	_____	ENG 110	Composition I	3	_____
F SP SU	_____	ENG 120	Composition II	3	_____
FOUNDATIONS & FITNESS (2)				
F SP SU	_____	PSY 100	Psychology of Student Success	1	_____
F SP SU	_____	ASMT 200	Assessment of Student Learning	1	_____
HUMANITIES & NATIVE AMERICAN STUDIES (6)				
F SP SU	_____	NAS 201	History of TAT	3	_____
F SP SU	_____	NAS 113, 115, 117	Hidatsa, Mandan, Arikara	3	_____
MATH, SCIENCE & TECHNOLOGY (11)				
F SP SU	_____	MA 209 or 210	Statistics	4	_____
F SP SU	_____	BIO 150	Biology I/Lab	4	_____
F SP SU	_____	CSCI 101	Introduction to Computers	3	_____
SOCIAL/BEHAVIORAL SCIENCE (6)				
F SP SU	_____	PSY 111	Introduction to Psychology	3	_____
F SP SU	_____	PSY 270	Abnormal Psychology	3	_____
WELLNESS (2 as Advised)				
F SP SU	_____		1	_____
F SP SU	_____		1	_____
CORE REQUIREMENTS *(29 Credits required)*				
F SP SU	_____	ADS 215	Ethical & Legal Issues in the SAP	3	_____
F SP SU	_____	ADS 220	Alcohol/Drug Helping Skills (Lab)	4	_____
F SP SU	_____	ADS 222	Alcohol/Drug Group Interaction (Lab)	4	_____
F SP SU	_____	ADS 223	Alcohol/Drug Treatment Continuum	3	_____
F SP SU	_____	SOC 215	Marriage and Family	3	_____
F SP SU	_____	SWK 106	Domestic Violence	3	_____
F SP SU	_____	SWK 256	Social Welfare	3	_____
F SP SU	_____	PSY 201	Dynamics/Adjustive Beh. & Mntl. Health	3	_____
F SP SU	_____	PSY 244	Dynamics of Addiction	3	_____

BUSINESS ADMINISTRATION

Degree: Associate of Arts
Credit Hours Required: 64

This program will prepare persons for positions in the accounting/business world, for transfer to a four-year college. It will also prepare students for an administrative or management-related career or for the development and operation of a small business depending on the electives selected by the students.

The curriculum is designed to introduce students to the fundamentals of accounting, as needed in the advanced, technological business world of today. This includes an understanding of basic concepts, and definitions, as well as learning the characteristics and methods used in modern businesses.

The Mandan, Hidatsa, and Arikara Nations' history, language, social, and spiritual culture is incorporated over entirety of course or as specific course subject requires. The individual instructor will actively seek culturally relevant materials to incorporate into the classroom setting.

Program Learning Outcomes (PLOs):

- The student will identify and illustrate Generally Accepted Accounting Principles (GAAP), explain how the application of GAAP impacts the recording of financial transactions for service, merchandising and manufacturing businesses and the preparation of financial statements.
- The student will identify the fundamentals of the management process, focusing on the concepts and techniques basic to the manager, including planning, organizing, leading and controlling.
- The student will understand contracts, agencies, employment and negotiable instruments, including individual and group behavior within an organization.
- The student will demonstrate and apply professional speaking techniques and strategies. Interact effectively with people from various cultural, ethnic, and racial backgrounds by using culturally sensitive language.
- The student will apply interpersonal skills in personal and professional environments to communicate effectively.
- The student will create strategic and operational plans and demonstrate in competence in data management systems.
- The student will describe the major types of business organizations, including sole proprietorships, partnerships, corporations, and limited liability companies, operating within the socioeconomic arena of the national and international marketplace.
- The student will create a business plan, marketing plan, or financial plan, evaluate and update the business plan on a regular basis.

Professional Course Requirements:

ACCT 200 Accounting I	3
ACCT 201 Accounting II	3
ACCT 203 Business Law I	3
BADM 120 Introduction to Business	3
BADM 225 Human Behavior in Organization	3
BIT 220 Management Information Systems	3
BOTE 247 Spreadsheet Applications	3
MA 209 or 210 Statway II or Elementary Statistics	4
Total Semester Hours:	**25**

Electives (Pick 1):	
ACCT 205 Cost Accounting	3
BADM 205 Small Business Management	3
BADM 291 Leadership Development	3
BADM 297 Business Internship	3
BADM 301 Fundamentals of Management	3
BADM 321 Principles of Marketing	3
ECON 202 Macroeconomics	3
Total Semester Hours	**3**
Specified General Education Course Requirements:	
ECON 201 Microeconomics	3
Additional General Education Courses	33
General Education Course Requirements	
See: General Education Requirement	
Total Semester Hours:	**36**
Cumulative Hours:	**64**

NUETA HIDATSA SAHNISH COLLEGE
ASSOCIATE OF ARTS DEGREE PROGRAM
BUSINESS ADMINISTRATION
2021-2022 (64 Credits)

STUDENT NAME: _____ ID# _____

DATE PLAN BEGAN: _____ **MAJOR:** _____

OTHER COLLEGES ATTENDED: _____

Term/Year	Course/Number	Course/Title	Credits	Grade
COLLEGE PREP COURSES *(As Advised)*				
F SP SU	_____			_____
F SP SU	_____			_____
GENERAL EDUCATION COURSES *(36 Credits required)*				
ENGLISH & SPEECH (9)				
F SP SU	_____	COMM 110	Fundamentals of Public Speaking	3	_____
F SP SU	_____	ENG 110	Composition I	3	_____
F SP SU	_____	ENG 120	Composition II	3	_____
FOUNDATIONS & FITNESS (2)				
F SP SU	_____	PSY 100	Psychology of Student Success	1	_____
F SP SU	_____	ASMT 200	Assessment of Student Learning	1	_____
HUMANITIES & NATIVE AMERICAN STUDIES (6 As Advised)				
F SP SU	_____	NAS 201	History of TAT	3	_____
F SP SU	_____	NAS 113, 115, 117	Hidatsa, Mandan, Arikara	3	_____
MATH, SCIENCE & TECHNOLOGY (11 or Advised)				
F SP SU	_____	MA 103 (or above)	College Algebra	4	_____
F SP SU	_____	SCI (Elective)		4	_____
F SP SU	_____	CSCI 101	Introduction to Computers	3	_____
SOCIAL/BEHAVIORAL SCIENCE (6)				
F SP SU	_____	ECON 201	Microeconomics	3	_____
F SP SU	_____	__		3	_____
WELLNESS (2 As Advised)				
F SP SU	_____			1	_____
F SP SU	_____			1	_____
CORE REQUIREMENTS *(25 Credits required)*				
F SP SU	_____	ACCT 200	Accounting I	3	_____
F SP SU	_____	ACCT 201	Accounting II	3	_____
F SP SU	_____	ACCT 203	Business Law	3	_____
F SP SU	_____	BADM 120	Intro to Business	3	_____
F SP SU	_____	BADM 225	Human Behavior in Orgs.	3	_____
F SP SU	_____	BIT 220	Management Info System	3	_____
F SP SU	_____	BOTE 247	Spreadsheets Applications	3	_____
F SP SU	_____	MA 209 or 210	Statway II/Elementary Statistics	4	_____
ELECTIVES (3 Credits required)				
F SP SU	_____	ACCT 205	Cost Accounting	3	_____
F SP SU	_____	BADM 205	Small Business Management	3	_____
F SP SU	_____	BADM 291	Leadership Development	3	_____
F SP SU	_____	BADM 297	Business Internship	3	_____
F SP SU	_____	BADM 301	Fundamentals of Management	3	_____
F SP SU	_____	BADM 321	Fundamentals of Marketing	3	_____
F SP SU	_____	ECON 202	Macroeconomics	3	_____

COMP TIA A+ CERTIFICATION

Degree: Certificate
Credit Hours Required: 18

Computing Technology Industry Association (CompTIA) A+ training offers a standard competency for entry-level service technicians in the computer industry. Earning CompTIA, A+ Certification means that an individual possesses the knowledge, skills, and customer service skills necessary to be a successful computer service technician offering a nationally recognized and industry recognized credential for new entrants into the field. Indeed, CompTIA A+ certification is the most widely recognized certifications available across the IT industry.

The CompTIA A+ certification provides students with the basic knowledge and skills necessary for a career in PC support. The program prepares students to sit for and pass the CompTIA A+ 220-1001 and 220-1002 certification exams. The topics include installation, configuration, preventative maintenance of PC hardware components, mobile devices, the basics of networking, security, virtualization, desktop imaging, and deployment. Students will also gain knowledge of diagnostic and troubleshooting processes for various types of technical issues.

Program Learning Outcomes (PLOs):

- Describe the standard features of PC hardware found on desktop and laptop computers
- Explain network hardware, protocols, and how to build a network
- Identify unique features and concerns specific to laptop computers Describe the printing process, installation, and maintenance of common printer types
- Describe IT support operational procedures in a workplace
- Explain the features, tools, and installation options of Windows Operating Systems
- Identify the components of Windows Operating Systems networking
- Describe common security threats and security-breach prevention methods
- Explain the network setup, security, and synchronization of mobile devices
- Describe the diagnostic and troubleshooting processes for hardware, software, networking, and security issues

General Education Requirement:	
PSY 100 Psychology of Student Success	1
NAS 099 TAT History	1
Total Semester Hours:	**2**

Professional Course Requirement:	
CSCI 102 Basic Computer and Hardware	4
CSCI 103 Networking and Troubleshooting	4
CSCI 104 Operating System and Technologies	4
CSCI 105 Software Troubleshooting and Security	4
Total Semester Hours:	**16**
Cumulative Hours:	**18**

NUETA HIDATSA SAHNISH COLLEGE
ASSOCIATE OF SCIENCE DEGREE PROGRAM
COMPUTER SCIENCE
2021-2022 (68 Credits)

STUDENT NAME: _____ ID# _____

DATE PLAN BEGAN: _____ **MAJOR:** _____

OTHER COLLEGES ATTENDED: _____

Term/Year	Course/Number	Course/Title	Credits	Grade
		COLLEGE PREP COURSES *(As Advised)*		
F SP SU	_____			_____
F SP SU	_____			_____
		GENERAL EDUCATION COURSES *(36 Credits required)*		
ENGLISH & SPEECH (9)				
F SP SU	_____	COMM 110	Fundamentals of Public Speaking	3	_____
F SP SU	_____	ENG 110	Composition I	3	_____
F SP SU	_____	ENG 120	Composition II	3	_____
FOUNDATIONS & FITNESS (2)				
F SP SU	_____	PSY 100	Psychology of Student Success	1	_____
F SP SU	_____	ASMT 200	Assessment of Student Learning	1	_____
HUMANITIES & NATIVE AMERICAN STUDIES (6 As Advised)				
F SP SU	_____	NAS 201	History of TAT	3	_____
F SP SU	_____	NAS 113, 115, 117	Hidatsa, Mandan, Arikara	3	_____
MATH, SCIENCE & TECHNOLOGY (11 or Advised)				
F SP SU	_____	MA 103 (or above)	College Algebra	4	_____
F SP SU	_____	SCI (Elective)		4	_____
F SP SU	_____	CSCI 101	Introduction to Computers	3	_____
SOCIAL/BEHAVIORAL SCIENCE (6)				
F SP SU	_____	ECON 201	Microeconomics	3	_____
F SP SU	_____	__		3	_____
WELLNESS (2 As Advised)				
F SP SU	_____			1	_____
F SP SU	_____			1	_____
		CORE REQUIREMENTS *(24 Credits required)*		
F SP SU	_____	CSCI 160	Computer Science I	4	_____
F SP SU	_____	CSCI 161	Computer Science II	4	_____
F SP SU	_____	CSCI 213	Modern Software Development	3	_____
F SP SU	_____	MA 165	Calculus I	4	_____
F SP SU	_____	MA 166	Calculus II	4	_____
F SP SU	_____	MA 208	Discrete Mathematics	4	_____
F SP SU	_____	ENGR 297	Engineering Internship	1	_____
		ELECTIVES (8 Credits required)		
F SP SU	_____	CSCI 102	Basic Computer and Hardware	4	_____
F SP SU	_____	CSCI 103	Networking and Troubleshooting	4	_____
F SP SU	_____	CSCI 104	Operating System and Technologies	4	_____
F SP SU	_____	CSCI 105	Software Troubleshooting and Security	4	_____
F SP SU	_____	CHEM 121	General Chemistry I	4	_____
F SP SU	_____	CHEM 122	General Chemistry II	4	_____
F SP SU	_____	PHY 251	University Physics I	4	_____
F SP SU	_____	PHY 252	University Physics II	4	_____

COMPUTER SCIENCE

Degree: Associate of Science
Credit Hours Required: 68

NHSC's Computer Science Associates Degree program provides two years of computer science education to prepare a student for transfer to a 4-year institution to pursue their bachelor's degree. The program prepares graduates for immediate entry-level employment in any size company utilizing computer knowledge and technology. This degree provides both theory and hands-on training in programing language too. Graduates adding industry certification such as A+, Network+ have an advantage. The program provides students with the foundation required to build a rewarding career in the continually expanding field of Computer Science.

Program Learning Outcomes (PLOs):

- Students will be able to apply knowledge of computing and mathematics applicable to the discipline.
- Students will be able to analyze a problem and identify and define the computing requirements appropriate to its solution.
- Students will be able to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs.
- Students will be able to use current techniques, skills, and tools necessary for computing practice.
- Students will be able to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices.
- Students will be able to apply design and development principles in the construction of software systems of varying complexity.

Professional Course Requirements:

CSCI 160 Computer Science I	4
CSCI 161 Computer Science II	4
CSCI 213 Modern Software Development	3
MA 165 Calculus I	4
MA 166 Calculus II	4
MA 208 Discrete Mathematics	4
ENGR 297 Engineering Internship	1
Total Semester Hours:	**24**

Electives – pick two (8 credits):

CSCI 102 Basic Computer and Hardware	4
CSCI 103 Networking and Troubleshooting	4
CSCI 104 Operating System and Technologies	4
CSCI 105 Software Troubleshooting and Security	4
CHEM 121 General Chemistry I	4
CHEM 122 General Chemistry II	4
PHY 251 University Physics I	4
PHY 252 University Physics II	4
Total Semester Hours	**8**

General Education Course Requirements

See: General Education Requirement

Total Semester Hours:	**36**
Cumulative Hours:	**68**

NUETA HIDATSA SAHNISH COLLEGE
CERTIFICATE PROGRAM
COMP TIA A+
2021-2022 (18 Credits)

STUDENT NAME: _____ ID# _____

DATE PLAN BEGAN: _____ **MAJOR**: _____

OTHER COLLEGES ATTENDED: _____

Term/Year	Course/Number	Course/Title	Credits	Grade
COLLEGE PREP COURSES *(As Advised)*				
F SP SU	_____			_____
F SP SU	_____			_____
GENERAL EDUCATION COURSES *(2 Credits required)*				
FOUNDATIONS & FITNESS (2)				
F SP SU	_____PSY 100	Intro to Student Success	1	_____
F SP SU	_____NAS 099	TAT History	1	_____
CORE COURSES IN WELDING *(16 Credits required)*				
F SP SU	_____CSCI 102	Basic Computer and Hardware	4	_____
F SP SU	_____CSCI 103	Networking and Troubleshooting	4	_____
F SP SU	_____CSCI 104	Operating System and Technologies	4	_____
F SP SU	_____CSCI 105	Software Troubleshooting and Security	4	_____

EDUCATION--TEACHER EDUCATION DEPARTMENT

"Those Who Teach"
Agumaagigu'uckike (Hidatsa)

Overview:
The Nueta Hidatsa Sahnish College Teacher Education Department offers six (6) degrees/certificates.

EARLY CHILDHOOD EDUCATION:
- Early Childhood Associate (ECA) Certificate
- A.A. Early Childhood Education

ELEMENTARY EDUCATION:
- A.A. Elementary Education
- B.S. Elementary Education
- Endorsement in Middle School Math
- Endorsement in Middle School Science

The aim of our Teacher Education Programs is to train teacher candidates to be leaders in facilitating the most effective instruction that boosts academic achievement, particularly in the areas of mathematics and science. We work very closely with MHA Education, Head Start, and the New Town, Mandaree, Parshall, Twin Buttes, and White Shield schools as well as the surrounding school communities.

We train candidates in early childhoold and elementary education. In addition, we prepare candidates to teach middle school math and/or science.

NHSC has developed a constructivist-based teacher education program with on-site, hybrid and online courses. We are a model for the preparation of elementary teachers who are tribally educated and globally prepared. Education concerns identified by our tribal members include the severe need to recruit and retain enrolled members as candidates and to promote and provide for their explorations and understandings of: Tribal values, customs, languages and histories for stronger cultural programs for our children and children of the future. In addition, our candidates explore diversity through connections to students on Fort Berthold and in surrounding communities.

Mission and Vision of the Teacher Education Department:
The mission of the Teacher Education Department is to integrate our four core merits of research, education, diversity, and excellence into the teacher education program. The four core merits connect our children's learning to their environment and make meaning in their lives.

The vision of the Teacher Education Department is for our teachers to create learning experiences that preserve our past and prepare and empower our youth for the future.

EARLY CHILDHOOD ASSOCIATE (ECA) CERTIFICATE

Certificate of Completion: Early Childhood Associate Credit
Credit Hours Required: 17
An ECA is used primarily for paraprofessional teacher's aide or independent business owners to comply with state licensure requirements. In addition, a candidate completing NHSC's ECA may also choose to complete the requirements to fulfill the national Child Development Associate (CDA). (Please see http://www.cdacouncil.org/about/cda-credential)

Program Learning Outcomes (PLOs):

- Learner and Learning: The student will be able to demonstrate an understanding or advancing learning in diverse and developmentally appropriate early childhood environments. and creative learning in an early childhood setting, a classroom, and at home.
- Content: The student will be able to identify and apply comprehensive and age appropriate strategies to early childhood curriculum.
- Instructional Practice: The student will be able to use reflective assessment to appropriately apply culturally relevant strategies and technologies to assess student's mastery of child learning.
- Professional responsibility: The student will be able to demonstrate positive relationships and continuous learning within the field while advancing in their profession.

College Prep Course Requirements:

NAS 099 Intro to History of Three Afflilated Tribes	1

Professional Course Requirements:

EC 210 Introduction to Early Childhood Education	3
EC 220 Early Childhood Development: Pre-birth through age Eight	3
EC 222 Program Administration	3
EC 233 Curriculum Instruction & Learning Environments	3
EC 236 Positive Child Guidance	3
EC 290 Pre-Professional Experience	1
Cumulative Hours:	**17**

NUETA HIDATSA SAHNISH COLLEGE
CERTIFICATE DEGREE PROGRAM
EARLY CHILD DEVELOPMENT ASSOCIATE
2021-2022 (17 Credits)

STUDENT NAME: _____ID# _____

DATE PLAN BEGAN: _____**MAJOR**: _____

OTHER COLLEGES ATTENDED: _____

Term/Year	Course/Number	Course/Title	Credits	Grade
		COLLEGE PREP COURSES ***(As Advised)***		
F SP SU	_____NAS 099	Intro Three Affiliated Tribes	_____ 1	_____
F SP SU	_____			_____
		CORE REQUIREMENTS ***(16 Credits required)***		
F SP SU	_____EC 210	Intro to Early Childhood Education	3	_____
F SP SU	_____EC 220	Early Childhood Dev. Pre-birth-8yrs.	3	_____
F SP SU	_____EC 222	Program Administration	3	_____
F SP SU	_____EC 233	Curriculum, Instruction, & Learning	3	_____
F SP SU	_____EC 236	Positive Child Guidance	3	_____
F SP SU	_____EC 290	Pre-Professional Experience	1	_____

EARLY CHILDHOOD EDUCATION, AA

Degree: Associate of Arts
Credit Hours Required: 69
The Early Childhood Education program is designed to prepare candidates for employment in various human services positions, such as Head Start teacher or assistant teacher, parent educator, preschool teacher, teacher's aide, social services paraprofessional, and/or independent business owner. The main goal of the Early Childhood Development degree program is to provide candidates with the knowledge and skills necessary for success in working with children in a variety of settings.

Program Learning Outcomes (PLOs):

- Learner and Learning: The student will be able to demonstrate an understanding or advancing learning in diverse and developmentally appropriate early childhood environments. and creative learning in an early childhood setting, a classroom, and at home.
- Content: The student will be able to identify and apply comprehensive and age appropriate strategies to early childhood curriculum.
- Instructional Practice: The student will be able to use reflective assessment to appropriately apply culturally relevant strategies and technologies to assess student's mastery of child learning.
- Professional responsibility: The student will be able to demonstrate positive relationships and continuous learning within the field while advancing in their profession.

Core Requirements

EC 210 Intro to Early Childhood Education	3
EC 211 Observation & Assessment	3
EC 213 Young Children's Language & Literacy	3
EC 220 Early Childhood Development: Pre-birth – age 8	3
EC 222 Program Administration	3
EC 233 Curriculum, Instruction, and Learning Environments	3
EC 234 Learning and Play	3
EC 236 Positive Child Guidance	3
EC 238 Home, School, and Community Relations	3
EC 290 Pre-Professional Experience	1
EC 295 Practicum	2
EDU 210 Intro to Exceptional Children	3
Total Semester Hours:	**33**

Specified General Education Course Requirements:

GEOL 100 Earth Science (Lab Science)	4
-OR- BIO111/ BIO 150 Biology I (Lab Science)	
-OR- PHY 105 Physical Science (Lab Science)	
PSY 111 Intro to Psychology (Social Science)	3
CSCI 101 Intro to Computers	3
HPER 210 First Aid/CPR	1
Additional General Education Course Requirements	25

See: General Education Requirement

Total General Education Semester Hours:	**36**
Cumulative Hours:	**69**

NUETA HIDATSA SAHNISH COLLEGE
ASSOCIATE OF ARTS DEGREE PROGRAM
EARLY CHILDHOOD EDUCATION
2021-2022 (69 Credits)

STUDENT NAME: _____ID# _____

DATE PLAN BEGAN: _____**MAJOR:** _____

OTHER COLLEGES ATTENDED: _____

Term/Year	Course/Number	Course/Title	Credits	Grade
COLLEGE PREP COURSES *(As Advised)*				
F SP SU	_____			_____
F SP SU	_____			_____
GENERAL EDUCATION COURSES *(36 Credits required)*				
ENGLISH & SPEECH (9)				
F SP SU	_____COMM 110	Fundamentals of Public Speaking	3	_____
F SP SU	_____ENG 110	Composition I	3	_____
F SP SU	_____ENG 120	Composition II	3	_____
FOUNDATIONS & FITNESS (2)				
F SP SU	_____PSY 100	Psychology of Student Success	1	_____
F SP SU	_____ASMT 200	Assessment of Student Learning	1	_____
HUMANITIES & NATIVE AMERICAN STUDIES (6)				
F SP SU	_____NAS 201	History of TAT	3	_____
F SP SU	_____NAS 113, 115 or 117	Hidatsa, Mandan, Arikara	3	_____
MATH, SCIENCE & TECHNOLOGY (11 as Advised)				
F SP SU	_____MA 103 (or above)	College Algebra	4	_____
F SP SU	_____Lab Science		4	_____
F SP SU	_____CSCI 101	Introduction to Computers	3	_____
SOCIAL/BEHAVIORAL SCIENCE (6 as advised)				
F SP SU	_____PSY 111	Introduction to Psychology	3	_____
F SP SU	_____ __		3	_____
WELLNESS (2 as Advised)				
F SP SU	_____HPER 210	First Aid/CPR	1	_____
F SP SU	_____		1	_____
CORE REQUIREMENTS *(33 Credits required)*				
F SP SU	_____EC 210	Intro to Early Childhood Education	3	_____
F SP SU	_____EC 211	Observation & Assessment	3	_____
F SP SU	_____EC 213	Young Children Language & Thought	3	_____
F SP SU	_____EC 220	Early Childhood Dev. Pre-birth-8yrs.	3	_____
F SP SU	_____EC 222	Program Administration	3	_____
F SP SU	_____EC 233	Curriculum, Instruction, & Learning	3	_____
F SP SU	_____EC 234	Learning & Play	3	_____
F SP SU	_____EC 236	Positive Child Guidance	3	_____
F SP SU	_____EC 238	Home, School, & Community Relations	3	_____
F SP SU	_____EC 290	Pre-Professional Experience	1	_____
F SP SU	_____EC 295	Practicum	2	_____
F SP SU	_____EDU 210	Introduction to Exceptional Children	3	_____

ELEMENTARY EDUCATION, AA

**** Teacher Candidates must complete an AA in Elementary Education, prior to entrance into the Teacher Education Program to receive a B.S. In Elementary Education, unless special permission from the Program Director is granted.***

Degree: Associate of Arts
Credit Hours Required: 65
We invite you to explore our Elementary Education program. The Associate of Arts degree in Elementary Education offers students the opportunity to advance into a four-year degree program.

Program Learning Outcomes (PLOs):

- The candidate will be able to develop and revise a written personal philosophy of education
- The candidate will be able to apply the four merits: research, education, diversity, and excellence
- The student will be able to write and deliver two standards-based lesson plans

Professional Core Requirements:	
EDU 210 Intro to Exceptional Children	3
EDU 222 Technology for Teachers	3
EDU 232 Classroom Management & Learning	3
EDU 238 Children's Literature	3
EDU 250 Intro to Education	3
EDU 273 Physical Science for Elementary Teachers	4
EDU 298 Pre-Professional Experience	1
EDU 305 Diversity & Multicultural Education	3
EDU 324 Creative Arts for Elementary Teachers	3
MA 277 Math for Elementary Teachers	3
Total Professional Course Semester Hours	**29**
Specified General Education Course Requirements:	
PSY 111 Intro to Psychology (Social Science)	3
PSY 250 Developmental Psychology (Social Science)	3
BIO 150 General Biology I/Lab (Science Lab)	4
HPER 210 First Aid/CPR (Wellness)	1
CSCI 101 Intro to Computers (Technology)	3
Additional General Education Course Requirements	22
See: General Education Requirement	
Total General Education Semester Hours:	**36**
Cumulative Hours:	**65**

NUETA HIDATSA SAHNISH COLLEGE
ASSOCIATE OF ARTS DEGREE PROGRAM
ELEMENTARY EDUCATION
2021-2022 (65 Credits)

STUDENT NAME: _____ID# _____

DATE PLAN BEGAN: _____**MAJOR:** _____

OTHER COLLEGES ATTENDED: _____

Term/Year	Course/Number	Course/Title	Credits	Grade
COLLEGE PREP COURSES *(As Advised)*				
F SP SU	_____			_____
F SP SU	_____			_____
GENERAL EDUCATION COURSES *(36 Credits required)*				
ENGLISH & SPEECH (9)				
F SP SU	_____COMM 110	Fundamentals of Public Speaking	3	_____
F SP SU	_____ENG 110	Composition I	3	_____
F SP SU	_____ENG 120	Composition II	3	_____
FOUNDATIONS & FITNESS (2)				
F SP SU	_____PSY 100	Psychology of Student Success	1	_____
F SP SU	_____ASMT 200	Assessment of Student Learning	1	_____
HUMANITIES & NATIVE AMERICAN STUDIES (6)				
F SP SU	_____NAS 201	History of TAT	3	_____
F SP SU	_____NAS 113, 115 or 117	Hidatsa, Mandan, Arikara	3	_____
MATH, SCIENCE & TECHNOLOGY (11)				
F SP SU	_____MA 103 (or above)	College Algebra	4	_____
F SP SU	_____BIO 150	Biology I/Lab	4	_____
F SP SU	_____CSCI 101	Introduction to Computers	3	_____
SOCIAL/BEHAVIORAL SCIENCE (6)				
F SP SU	_____PSY 111	Introduction to Psychology	3	_____
F SP SU	_____PSY 250	Developmental Psychology	3	_____
WELLNESS (2 as Advised)				
F SP SU	_____HPER 210	First Aid/CPR	1	_____
F SP SU	_____		1	_____
CORE REQUIREMENTS *(29 Credits required)*				
F SP SU	_____EDU 210	Intro to Exceptional Children	3	_____
F SP SU	_____EDU 222	Technology for Teachers	3	_____
F SP SU	_____EDU 232	Classroom Management & Learning	3	_____
F SP SU	_____EDU 238	Children's Literature	3	_____
F SP SU	_____EDU 250	Intro to Education	3	_____
F SP SU	_____EDU 273	Physical Science for Elem. Teachers	4	_____
F SP SU	_____EDU 298	Pre-Professional Experience	1	_____
F SP SU	_____EDU 305	Diversity & Multicultural Education	3	_____
F SP SU	_____EDU 324	Creative Arts for Elementary Teachers	3	_____
F SP SU	_____MA 277	Math for Elementary Teachers	3	_____

ELEMENTARY EDUCATION, BS

Degree: Bachelor of Science
Credit Hours Required: 120
Agumaagigu'uckike (Those Who Teach) program at NHSC prepares candidates to teach grades 1 through 6. During their junior and senior years, candidates work as a cohort or learning community, taking courses together and interacting in a weekly teacher education seminar to build, reflect, and gain perspective on their experiences.

**** Teacher Candidates must complete an AA in Elementary Education, prior to entrance into the Teacher Education Program to receive a B.S. In Elementary Education, unless special permission from the Program Director is granted.***

Criteria for the Admission to Teacher Education
The student who intends to pursue a program in teacher education must apply to the Teacher Education Department and be approved for admission into the program. An applicant must meet the following criteria to be considered for admission:

1. A minimum cumulative grade point average of 2.75
2. Satisfactory academic performance of a C or better in all General Education, Institutional Requirements, Wellness Requirements, and Additional Program Requirements.
3. Satisfactory academic performance of C or better in MATH 103 – College Algebra (an A or B grade, if completing a B.S. in Elementary Education with an Endorsement in Middle School Math)
4. Successful completion of the Praxis I exam, known as the Core Academic Skills for Educators, with a satisfactory score required by the state of North Dakota prior to application to the teacher education program and prior to the junior year. (Candidates can be admitted provisionally with written permission from the Director of Teacher Education, that Praxis I needs to be completed by the beginning of the junior year and with the understanding that the student must successfully complete EDU 411 Educational Assessment (1 credit).

Required Tests

	Core Skills Test Code	Qualifying Score
Reading	5712	156
Writing	5722	160
Math	5732	150

Core Academic Skills: Applicants must meet individual qualifying scores in Reading, Writing, and Math or meet qualifying scores on 2 of the tests and have a composite score of 466.
Retakes can be completed once every 21 days.

5. Written recommendations from three professionals
6. Essay on why the student would like to enter the teacher education program
7. Work in progress on the electronic portfolio

8. Professional resume'
9. Demonstrate a commitment to the learning community model
10. Agree to fulfill service to education or a related field on Fort Berthold, upon graduation
11. Exhibit suitable character necessary to teach

The Teacher Education Department and a committee consisting of faculty and staff will interview the applicant, review the documentation, and make a recommendation. If the applicant is denied admission due to a condition that can be corrected, the applicant may reapply when the deficiency is removed, or may be put on interim probation.

Continuance in Teacher Education

In order to continue in the teacher education program, the candidate must:

1. Maintain a minimum cumulative grade point average of 3.0 and earn a grade of a B or better in the professional course requirements and in courses taken after admission to the program.
2. Exhibit suitable character and evidence of good conduct, physical and mental health.
3. Continue to obtain satisfactory recommendations from faculty, staff, and field experience supervisors.
4. Prepare to pass the Praxis II exams with a satisfactory score required by the state of North Dakota for Principles of Learning and Teaching and Curriculum, Instruction and Assessment, Grades 1-6.

If requirements are not maintained, the Teacher Education Department and a committee consisting of faculty and staff may recommend probation or suspension from the program. Any such action would be reflected in a letter from the Teacher Education Department to the candidate.

Student Teaching

Student teaching is the concluding experience of the Teacher Education Program at Nueta Hidatsa Sahnish College. It is completed during the candidate's final semester and requires at least 16 full-time consecutive weeks. During this time, candidates apply what they have learned through their college course work and field experiences. Student teaching allows the pre-service teachers a time to plan and carry out lessons that follow our four core merits: culture, research, excellence in diversity education (CREDE). They also use a variety of assessment techniques to determine suitability of the lessons, success of instruction and understanding of their own students. During this time, it is expected that the pre-service teachers will experience and learn additional decision making skills, instructional approaches, classroom management courses of action, and general competence.

Criteria for Admission to Student Teaching

A candidate must meet the following criteria to be considered for admission to student teaching:

1. Senior standing or equivalent with a minimum cumulative grade point average of 3.0 or better since admission to the teacher education program.
2. Maintain excellent attendance in classes and field experiences.
3. Successful completion of the (Praxis I-prior to enrollment in the Teacher Education Program and) Praxis II exams as per qualifying state scores. Special permission may be granted by the Director of Teacher Education to complete Praxis tests after admission into the program.
4. Continued satisfactory performance on all criteria for admission and retention in the teacher education program.

5. Completion of the professional education sequence before student teaching. The Teacher Education Department in consultation with a committee of faculty and staff may make exceptions to this criterion if circumstances warrant.
6. Submission of student teaching application to the Teacher Education Department during the semester preceding student teaching.
7. A criminal background investigation including the Bureau of Criminal Investigation and Federal Bureau of Investigation must be completed prior to student teaching.
8. During student teaching, students will not be allowed to take more than three semester hours of credit during the 16 weeks of student teaching without approval from the Teacher Education Department. Classes cannot be taken during the daily full-time student teaching assignment block.

Nueta Hidatsa Sahnish College reserves the right to have the candidates meet additional requirements that may be established by the Teacher Education Department.

Criteria for Graduation and Licensure Recommendation

The Teacher Education Department makes the recommendation for graduation and teacher licensure. In order to graduate and be endorsed for licensure, a candidate must meet the following requirements:

1. Cumulative grade point average of 3.0 or better since admission to the Teacher Education Program.
2. Completion of all program requirements, as defined by the Teacher Education Department.
3. Successful student teaching experience.
4. Successful completion and presentation of an electronic portfolio.
5. Teacher Candidates will be considered completers, when all coursework is complete.
6. Graduates are responsible for successfully completing both Praxis I and II and submitting all exam scores, and required documents for state licensure.

The Registrar sends the application to the North Dakota Education Standards and Practices Board (ESPB) for issuance of a teaching license. Teacher Candidates will not be deemed completers and diplomas will not be issued, until all coursework and Praxis test requirements have been fulfilled.

Degree: Bachelor of Science
Credit Hours Required: 120

Our Bachelor of Science in Elementary Education Program, *Mada Maagarishtauo Awa Hee Aadsa Maa Aru Maa Giguckiigash* (The ones that teach our children how everything on this earth works), became accredited with the North Dakota Education Standards and Practices Board and the Higher Learning Commission in February, 2011.

Program Learning Outcomes (PLOs):

- The candidate will be able to develop and revise a written personal philosophy of education
- The candidate will be able to apply the four merits: research, education, diversity, and excellence
- The student will be able to write and deliver two standards-based lesson plans
- The candidate will demonstrate an understanding of ND State Standards (Common Core Curriculum), InTASC Standards, and Core Merits (research, education, diversity, excellence) as measured by an ePortfolio rubric

Professional Course Requirements

EDU 210 Intro to Exceptional Children	3
EDU 222 Technology for Teachers	3
EDU 232 Classroom Management & Learning Environment	3
EDU 238 Children's Literature	3
EDU 250 Intro to Education	3
EDU 273 Physical Science for Elementary Teachers	4
EDU 298 Pre-Professional Experience	1
EDU 300 Elementary Practicum I	1
EDU 305 Diversity & Multicultural Education	3
EDU 320 Curriculum, Instruction & Assessment	2
EDU 324 Creative Arts for Elementary Teachers	3
EDU 392 Foundations, Issues, & Trends	2
EDU 400 Elementary Practicum II	1
EDU 411 Educational Assessment & Seminar (Fall-Sophomore Year)	1
EDU 412 Educational Assessment & Seminar (Fall-Junior Year)	1
EDU 421 Math Methods & Materials	3
EDU 422 Language Arts Methods & Materials	2
EDU 423 Reading Methods & Materials	3
EDU 424 Social Studies Methods & Materials	2
EDU 426 Science Methods & Materials	3
EDU 492 Student Teaching	12
Total Semester Hours	**59**

Additional Requirements for Elementary Education Majors

MATH 277 Math for Elementary Teachers	3
MATH 377 Geometry for Elementary Teachers	3
GEOL 100 Earth Science	4
HIS 103 United States History I	3
HIS 220 North Dakota History	3
GEOG 150 Intro to Geography	3
HPER 225 Elementary Health & Physical Education Methods	3
CHEM 115/CHEM 121 Intro Chem/Chemistry I -OR- PHY 211 Physics	4
Total Semester Hours	**26**

Specified General Education Course Requirements:

PSY 111 Intro to Psychology (Social Science)	3
PSY 250 Developmental Psychology (Social Science)	3
BIO 150 Biology I/Lab (Lab Science)	4
CSCI 101 Intro to Computers	3
HPER 210 First Aid/CPR (Wellness)	1
Additional General Education Course Requirements	21
See: General Education Requirement	
Total General Education Semester Hours:	**35**
Cumulative Hours:	**120**

NUETA HIDATSA SAHNISH COLLEGE
BACHELOR OF SCIENCE DEGREE PROGRAM
ELEMENTARY EDUCATION
2021-2022 (120 Credits)

STUDENT NAME: _____ID# _____

DATE PLAN BEGAN: _____**MAJOR**: _____

OTHER COLLEGES ATTENDED: _____

Term/Year	Course/Number	Course/Title	Credits	Grade
COLLEGE PREP COURSES *(As Advised)*				
F SP SU	_____ __			_____
F SP SU	_____ __			_____
GENERAL EDUCATION COURSES *(35 Credits required)*				
ENGLISH & SPEECH (9)				
F SP SU	_____COMM 110	Fundamentals of Public Speaking	3	_____
F SP SU	_____ENG 110	Composition I	3	_____
F SP SU	_____ENG 120	Composition II	3	_____
FOUNDATIONS & FITNESS (1)				
F SP SU	_____PSY 100	Psychology of Student Success	1	_____
HUMANITIES & NATIVE AMERICAN STUDIES (6)				
F SP SU	_____NAS 201	History of TAT	3	_____
F SP SU	_____NAS 113, 115,117	Hidatsa, Mandan, Arikara	3	_____
MATH, SCIENCE & TECHNOLOGY (11)				
F SP SU	_____MA 103 (or above)	College Algebra	4	_____
F SP SU	_____BIO 150	Biology I/Lab	4	_____
F SP SU	_____CSCI 101	Intro to Computers	3	_____
SOCIAL/BEHAVIORAL SCIENCE (6)				
F SP SU	_____PSY 111	Intro to Psychology	3	_____
F SP SU	_____PSY 250	Developmental Psychology	3	_____
WELLNESS (2 as Advised)				
F SP SU	_____HPER 210	First Aid/CPR	1	_____
F SP SU	_____		1	_____
CORE REQUIREMENTS *(59 Credits required)*				
F SP SU	_____EDU 210	Intro to Exceptional Children	3	_____
F SP SU	_____EDU 222	Technology for Teachers	3	_____
F SP SU	_____EDU 232	Classroom Management & Learning	3	_____
F SP SU	_____EDU 238	Children's Literature	3	_____
F SP SU	_____EDU 250	Intro to Education	3	_____
F SP SU	_____EDU 273	Phys. Science for Elem. Teachers	4	_____
F SP SU	_____EDU 298	Pre-Professional Experience	1	_____
F SP SU	_____EDU 300	Elementary Practicum I	1	_____
F SP SU	_____EDU 305	Diversity & Multicultural Education	3	_____
F SP SU	_____EDU 320	Curriculum/Instruction/Assessment	2	_____
F SP SU	_____EDU 324	Creative Arts for Elementary Teachers	3	_____
F SP SU	_____EDU 392	Foundation, Issues & Trends	2	_____
F SP SU	_____EDU 400	Elementary Practicum II	1	_____
F SP SU	_____EDU 411	Edu. Assessment (Fall So. Yr.)	1	_____
F SP SU	_____EDU 412	Edu. Assessment (Fall. Jr. Yr.)	1	_____
F SP SU	_____EDU 421	Math Methods/Materials	3	_____
F SP SU	_____EDU 422	LA Methods & Materials	2	_____
F SP SU	_____EDU 423	Reading Methods/Materials	3	_____
F SP SU	_____EDU 424	Social Studies Methods/Materials	2	_____
F SP SU	_____EDU 426	Science Methods/Materials	3	_____
F SP SU	_____EDU 492	Student Teaching	12	_____
OTHER CORE REQUIREMENTS *(26 Credits required)*				
F SP SU	_____HPER 225	Elem. Health/PE Activities Methods	3	_____
F SP SU	_____HIST 103	US History I	3	_____
F SP SU	_____HIST 220	ND History	3	_____
F SP SU	_____MA 277	Math for Elementary Teachers	3	_____
F SP SU	_____MA 377	Geometry for Elementary Teachers	3	_____
F SP SU	_____GEOL 100	Earth Science	4	_____
F SP SU	_____CHEM 115/121 or PHY 211	Intro to Chemistry/Chemistry I or Physics	4	_____
F SP SU	_____GEOG 150	Intro to Geography	3	_____

EDUCATION: ENDORSEMENT IN MIDDLE SCHOOL MATH OR MIDDLE SCHOOL SCIENCE

Degree: Endorsement in Middle School Math or Science
Credit Hours Required: 18 (math) or 22 (science)
The *Mada Maagarishtauo Awa Hee Aadsa Maa Aru Maa Giguckiigash* (The ones that teach our children how everything on this earth works) program also offers an endorsement in either Middle School Math or Middle School Science. An endorsement in Middle School Math or Science will make candidates more employable and will prepare them to teach these content areas at the middle school level. Candidates choose an emphasis in math or science during their sophomore or junior year and complete additional coursework beyond the Elementary Education B.S. Program.

Program Learning Outcomes (PLOs):

- The candidate will be able to develop and revise a written personal philosophy of education.
- The candidate will be able to apply the four merits: research, education, diversity, and excellence
- The candidate will demonstrate an understanding of ND State Standards (Common Core Curriculum), InTASC Standards, and Core Merits (research, education, diversity, excellence) as measured by an ePortfolio rubric.

*Lesson plans and the ePortfolio will need to reflect middle school math or middle school science as well as elementary education.

Professional Course Requirements

Requirements for Endorsement in Middle School Math

EDU 297 Middle School Field Experience	2
EDU 402 Teaching Reading in the Content Areas/Diagnostic Reading	3
EDU 450 Middle School Curriculum & Philosophies	2
EDU 451 Middle School Teaching Methods	3
MA 165 Calculus I	4
MA 210 Elementary Statistics	4
Total Semester Hours	**18**

Requirements for Endorsement in Middle School Science

EDU 297 Middle School Field Experience	2
EDU 402 Teaching Reading in the Content Areas/Diagnostic Reading	3
EDU 450 Middle School Curriculum & Philosophies	2
EDU 451 Middle School Teaching Methods	3
BIO Biology/Life Science Elective	4
CHEM 115 or 121 Chemistry	4
PHY 211 Physics	4
Total Semester Hours	**22**

NUETA HIDATSA SAHNISH COLLEGE
CERTIFICATE PROGRAM
ELEMENTARY EDUCATION
MIDDLE SCHOOL MATH ENDORSEMENT
2021-2022 (18 Credits)

STUDENT NAME: _____ ID# _____

DATE PLAN BEGAN: _____ **MAJOR**: _____

OTHER COLLEGES ATTENDED: _____

Term/Year	Course/Number	Course/Title	Credits	Grade
F SP SU	_____EDU 297	Middle School Field Experience	2	_____
F SP SU	_____EDU 402	Teaching Reading in the Content Area/Diagnostic	3	_____
F SP SU	_____EDU 450	MS Curriculum/Philos.	2	_____
F SP SU	_____EDU 451	MS Teaching Methods	3	_____
F SP SU	_____MA 165	Calculus I	4	_____
F SP SU	_____MA 210	Statistics	4	_____

NUETA HIDATSA SAHNISH COLLEGE
CERTIFICATE PROGRAM
ELEMENTARY EDUCATION
MIDDLE SCHOOL SCIENCE ENDORSEMENT
2021-2022 (22 Credits)

STUDENT NAME: _____ ID# _____

DATE PLAN BEGAN: _____ **MAJOR**: _____

OTHER COLLEGES ATTENDED: _____

Term/Year			Course/Number	Course/Title	Credits	Grade
F	SP	SU	_____EDU 297	Middle School Field Experience	2	_____
F	SP	SU	_____EDU 402	Teaching Reading in the Content Area/Diagnostic	3	_____
F	SP	SU	_____EDU 450	MS Curriculum/Philos.	2	_____
F	SP	SU	_____EDU 451	MS Teaching Methods	3	_____
F	SP	SU	_____BIO	Biology/Life Science Elective	4	_____
F	SP	SU	_____CHEM 115 or 121	Intro to Chemistry/Chemistry I	4	_____
F	SP	SU	_____ PHY 211	Physics I	4	_____

ENTREPRENEURSHIP

Certificate of Completion
Credit Hours Required: 28

The Marketing/ Entrepreneurship certificate of completion is designed to provide students with a broad understanding and applicable knowledge of marketing and entrepreneurship career opportunities. The concepts and applications presented will prepare students to enter the job market and/or develop their own small business enterprise. The business internship will provide students with an opportunity to apply their knowledge and skill while acquiring training and job experience relevant to their field of study.

Program Learning Outcomes (PLOs):

- Demonstrate an understanding of the basic skills needed in entrepreneurship:
  - Become fluent in the language and concepts of accounting, finance, and marketing
  - Demonstrate an ability to use current technology to communicate in a business environment
  - Become familiar with how to recognize business and marketing opportunities
- Gain an ability and understanding of how to launch an entrepreneurial career:
  - Learn how to create an appropriate business plan
  - Learn the requisite steps in starting a formal business entity

General Education Requirements:

NAS 201 History of the TAT	3
PSY 100 Psychology of Student Success	1
Total Semester Hours:	**4**

Core Requirements:

BADM 120 Introduction to Business	3
BADM 170 Entrepreneurship – Journey into Business	3
BADM 188 Computerized Accounting	3
BADM 201 Fundamentals of Marketing	3
BADM 206 Writing a Business Plan	3
BOTE 210 Business Communications	3
BOTE 219 Entrepreneur Management – Growing a Business	3
BADM 225 Human Behavior in Organizations	3
Total Semester Hours	**24**

Cumulative Hours:	**28**

NUETA HIDATSA SAHNISH COLLEGE
CERTIFICATE DEGREE PROGRAM
ENTREPRENEURSHIP
2021-2022 (28 Credits)

STUDENT NAME: _____ ID# _____

DATE PLAN BEGAN: _____ **MAJOR**: _____

OTHER COLLEGES ATTENDED: _____

Term/Year	Course/Number	Course/Title	Credits	Grade
COLLEGE PREP COURSES ***(As Advised)***				
F SP SU	_____			_____
F SP SU	_____			_____
GENERAL EDUCATION COURSES ***(4 Credits required)***				
FOUNDATIONS & FITNESS (4)				
F SP SU	_____NAS 201	History of the TAT	3	_____
F SP SU	_____PSY 100	Psychology of Student Success	1	_____
CORE REQUIREMENTS ***(24 Credits required)***				
F SP SU	_____BADM 120	Intro to Business	3	_____
F SP SU	_____BADM 170	Entrepreneurship Journey into Business	3	_____
F SP SU	_____BADM 201	Fundamentals of Marketing	3	_____
F SP SU	_____BADM 206	Writing a Business Plan	3	_____
F SP SU	_____BADM 219	Entrep. Mng. Growing a Business	3	_____
F SP SU	_____BADM 225	Human Behavior in Organization	3	_____
F SP SU	_____BOTE 188	Computerized Accounting	3	_____
F SP SU	_____BOTE 210	Business Communication	3	_____

ENVIRONMENTAL SCIENCE

Degrees: Associate of Science, Associate of Applied Science, and Baccalaureate of Science
Credit Hours Required: A.S.: 63 credits and B.S.: 119 credits

The Environmental Science Program at NHSC focuses on integrating local Fort Berthold environmental issues with Mandan, Hidatsa, and Arikara cultures. The program will provide a solid foundation in a range of specialties including: water, air, and soil quality; wildlife, range, and fisheries management; toxicology; and resource conservation, which will enable our students to gain employment in a wide range of natural resource-related areas.

The two-year Associate of Science degree flows seamlessly into the Bachelor of Science degree and graduates from NHSC's environmental science program will be able to provide essential support for remediating, restoring, and managing local natural resources. The program will prepare students for employment in such fields as fish and wildlife management, recreation management, resource management, environmental quality and range/grasslands management. Although students will study a range of specialties, they should specialize in one of these fields through the choice of electives, the student internship, and their field research.

Program Learning Outcomes (PLOs):
After completing the Associate of Science in Environmental Science:

- The student will be able to describe, orally and in writing, the similarities and differences between traditional native versus modern views of the Earth.
- The student will be able to describe biological, chemical and physical influences on the environment from human activities.
- The student will be able to demonstrate an understanding of the methodology in scientific research through completion of a research paper by selecting, integrating and synthesizing information.
- The student will demonstrate general knowledge of current environmental issues on local, regional and global scales.
- The student will able to describe the interactions between and the interdependence of the Earth's ecosystems.
- The student will demonstrate the use of environmental geospatial tools.

After completing the Bachelor of Science in Environmental Science:

- The student will be able to demonstrate an understanding of advanced scientific research including project design, experimentation, statistical analysis and interpretation, writing and publication, and ethical considerations.
- The student will describe transport mechanisms for contaminants as they travel through various environmental media including water, soil, and air.
- The student will demonstrate current environmental issues on Fort Berthold as well as be able to associate them with Mandan, Hidatsa, and Arikara beliefs and cultures.
- The student will be able to explain wildlife population ecology and management options for game and non-game/range species.

Associate of Science Degree:

Core Requirements:

BIO 124 Environmental Science	4
BIO 151 Biology II	4
CHEM 121 Chemistry I	4
CHEM 122 Chemistry II	4
SOIL 210 Introduction to Soil Science	3
Elective – Choose from one of the following:	3
ARSC 236 Introduction to Range Management	
NAS 125 Tribal G.I.S. (Geographical Information Systems)	
Total Semester Hours	**22**

Research Component

BIO 225 Research Methods	3
Elective – Choose from one of the following:	2-3
BIO 230 Field Research	
BIO 297 Environmental Science Internship	
Total Semester Hours	**5**

General Education Requirements:
See: General Education Requirements
(Bio 150 Biology I and POLS 234 Basic Indian Law are directed electives under the Gen Ed Requirements)

Total Semester Hours	**36**
Cumulative Hours	**63**

Bachelor of Science Degree:

Core Requirements:

ARSC 236 Introduction to Range Management	3
BIO 124 Environmental Science	4
BIO 151 Biology II	4
CHEM 121 Chemistry I	4
CHEM 122 Chemistry II	4
GEOL 100 Earth Science	4
MATH 210 Statistics	4
NAS 125 Tribal G.I.S. (Geographical Information Systems)	3
SOIL 210 Introduction to Soil Science	3
Total Semester Hours	**33**

Research Requirements (pick two)

BIO 225 Research Methods	3
BIO 230 Field Research	3
BIO 297 Environmental Science Internship	2
Total Semester Hours	**5**

Professional Requirements

BIO 316 Global Climate Change	3
BIO 324 Ecology	3
BIO 331 Soil Ecology	3
BIO 350 Freshwater Ecology	4
BIO 370 Zoology	4

BIO 420 Air & Water Quality	4
BIO 421 Environmental Toxicology	3
BIO 422 Environmental Law	3
BIO 431 Wildlife & Fisheries Conservation & Management	3
ENG 452 Scientific Literature & Writing	3
BIO 460 TAT Environmental Issues, Beliefs & Ethics	3
BIO 493 Senior Research	3
Electives – choose 7 credits from the following:	7
BIO 206 Ethnobotany (4 credits)	
BIO 433 Wildlife Ecology (3 credits)	
BIO 443 Range Ecology (3 credits)	
BIO 444 Grassland Ecology (3 credits)	
BIO 450 Mammalogy (3 credits)	
Total Semester Hours	**46**

General Education Requirements:
See: General Education Requirements
(BIO 150-Biology I and POLS 234-Basic Indian Law are directed electives under the Gen Ed Requirements)

Total Semester Hours	**35**
Cumulative Hours	**119**

NUETA HIDATSA SAHNISH COLLEGE
ASSOCIATE OF SCIENCE DEGREE PROGRAM
ENVIRONMENTAL SCIENCE
2021-2022 (63 Credits)

STUDENT NAME: _____ ID# _____

DATE PLAN BEGAN: _____ **MAJOR:** _____

OTHER COLLEGES ATTENDED: _____

Term/Year	Course/Number	Course/Title	Credits	Grade
COLLEGE PREP COURSES *(As Advised)*				
F SP SU	_____			_____
F SP SU	_____			_____
GENERAL EDUCATION COURSES *(36 Credits required)*				
ENGLISH & SPEECH (9)				
F SP SU	_____	COMM 110	Fundamentals of Public Speaking	3	_____
F SP SU	_____	ENG 110	Composition I	3	_____
F SP SU	_____	ENG 120	Composition II	3	_____
FOUNDATIONS & FITNESS (2)				
F SP SU	_____	PSY 100	Psychology of Student Success	1	_____
F SP SU	_____	ASMT 200	Assessment of Student Learning	1	_____
HUMANITIES & NATIVE AMERICAN STUDIES (6)				
F SP SU	_____	NAS 201	History of TAT	3	_____
F SP SU	_____	NAS 113, 115 or 117	Hidatsa, Mandan, Arikara	3	_____
MATH, SCIENCE & TECHNOLOGY (11)				
F SP SU	_____	MA 103 (or above)	College Algebra	4	_____
F SP SU	_____	BIO 150	Biology I/Lab	4	_____
F SP SU	_____	CSCI 101	Introduction to Computers	3	_____
SOCIAL/BEHAVIORAL SCIENCE (6 as Advised)				
F SP SU	_____	POLS 234	Basic Indian Law	3	_____
F SP SU	_____			3	_____
WELLNESS (2 as Advised)				
F SP SU	_____			1	_____
F SP SU	_____			1	_____
CORE REQUIREMENTS *(19 Credits required)*				
F SP SU	_____	BIO 124	Environmental Science	4	_____
F SP SU	_____	BIO 151	Biology II	4	_____
F SP SU	_____	CHEM 121	General Chemistry I	4	_____
F SP SU	_____	CHEM 122	General Chemistry II	4	_____
F SP SU	_____	SOIL 210	Introduction to Soil Science	3	_____
RESEARCH COMPONENT ELECTIVES *(5 Credits required) field of study*				
F SP SU	_____	BIO 225	Research Methods	3	_____
F SP SU	_____	BIO 230	Field Research	3	_____
F SP SU	_____	BIO 297	Environmental Science Internship	2	_____
ELECTIVES *(3 Credits required) field of study*				
F SP SU	_____	ARSC 236	Intro to Range Management	3	_____
F SP SU	_____	NAS 125	Tribal GIS (Geog. Info Syst.)	3	_____

NUETA HIDATSA SAHNISH COLLEGE
BACHELOR OF SCIENCE DEGREE PROGRAM
ENVIRONMENTAL SCIENCE
2021-2022 (119 Credits)

STUDENT NAME: _____ID# _____

DATE PLAN BEGAN: _____**MAJOR**: _____

OTHER COLLEGES ATTENDED: _____

Term/Year	Course/Number	Course/Title	Credits	Grade
		COLLEGE PREP COURSES *(As Advised)*		
F SP SU	_____ _____			_____
F SP SU	_____ _____			_____
		GENERAL EDUCATION COURSES *(35 Credits required)*		
ENGLISH & SPEECH (9)				
F SP SU	_____COMM 110	Fundamentals of Public Speaking	3	_____
F SP SU	_____ENG 110	Composition I	3	_____
F SP SU	_____ENG 120	Composition II	3	_____
FOUNDATIONS & FITNESS (1)				
F SP SU	_____PSY 100	Psychology of Student Success	1	_____
HUMANITIES & NATIVE AMERICAN STUDIES (6)				
F SP SU	_____NAS 201 _	History of TAT	3	_____
F SP SU	_____NAS 113, 115 or 117	Hidatsa, Mandan, Arikara	3	_____
MATH, SCIENCE & TECHNOLOGY (11)				
F SP SU	_____MA 103 (or above)	College Algebra	4	_____
F SP SU	_____CSCI 101	Introduction to Computers	3	_____
F SP SU	_____BIO 150	Biology I/Lab	4	_____
SOCIAL/BEHAVIORAL SCIENCE (6 as Advised)				
F SP SU	_____POLS 234	Basic Indian Law	3	_____
F SP SU	_____		3	_____
WELLNESS (2 as Advised)				
F SP SU	_____ _____		1	_____
F SP SU			1	
		CORE REQUIREMENTS (33 Credits required)		
F SP SU	_____ARSC 236	Intro to Range Management	3	_____
F SP SU	_____BIO 124	Environmental Science	4	_____
F SP SU	_____BIO 151	Biology II	4	_____
F SP SU	_____CHEM 121	General Chemistry I	4	_____
F SP SU	_____CHEM 122	General Chemistry II	4	_____
F SP SU	_____GEOL 100	Earth Science	4	_____
F SP SU	_____MA 210	Elementary Statistics	4	_____
F SP SU	_____NAS 125	Tribal GIS (Geog. Info Syst.)	3	_____
F SP SU	_____SOIL 210	Introduction to Soil Science	3	_____
		PROFESSIONAL REQUIREMENTS *(39 Credits required)*		
F SP SU	_____BIO 316	Global Climate Change	3	_____
F SP SU	_____BIO 324	Ecology	3	_____
F SP SU	_____BIO 331	Soil Ecology	3	_____
F SP SU	_____BIO 350	Freshwater Ecology	4	_____
F SP SU	_____BIO 370	Zoology	4	_____
F SP SU	_____BIO 420	Air & Water Quality	4	_____
F SP SU	_____BIO 421	Environmental Toxicology	3	_____
F SP SU	_____BIO 422	Environmental Law	3	_____
F SP SU	_____BIO 431	Wild/Fish Conserv. & Mang.	3	_____
F SP SU	_____BIO 460	TAT Environmental Issues, Beliefs, Ethics	3	_____
F SP SU	_____BIO 493	Senior Field Research	3	_____
F SP SU	_____ENG 452	Science Lit. & Writing	3	
		RESEARCH COMPONENT ELECTIVES *(5 Credits required) field of study*		
F SP SU	_____BIO 225	Research Methods	3	_____
F SP SU	_____BIO 230	Field Research	3	_____
F SP SU	_____BIO 297	Environmental Science Internship	2	_____
		ELECTIVES *(7 Credits required) field of study as advised*		
F SP SU	_____BIO 206	Ethnobotany	4	_____
F SP SU	_____BIO 433	Wildlife Ecology	3	_____
F SP SU	_____BIO 443	Range Ecology	3	_____
F SP SU	_____BIO 444	Grassland Ecology	3	_____
F SP SU	_____BIO 450	Mammalogy	3	_____

EQUINE STUDIES

Degree: Associate of Science
Credit Hours Required: 64
The mission of the Equine Studies degree program is to provide students with a realistic venue for pursuing their passion for horses. The program is designed to increase students' knowledge of the science, behavior, care, and management of horses, to expand their awareness of the equine industry well above that of the average horse-person, and to understand the importance of horses in native culture. NHSC's experiential approach and broad-based curriculum allows the successful graduate to pursue a wide range of equine-related professions.

Students in the Equine Studies program will have options in electives to emphasize in Equine Assisted Services or Natural Horsemanship. After completion of the A.S. degree at NHSC, students that interested in continuing on to a B.S. degree in Equine Science from another University are encouraged to take electives at the A.S. level in those subject areas.

Classes are taught both on campus and at the Healing Horse Ranch in Parshall, ND. Horses will be provided by the college for use in classes.

Program Learning Outcomes (PLOs):
Program graduates will:

- Be well-versed in general knowledge about the equine industry including the common breeds, equine activities and events, equine-related business principles, and equine industry career options.
- Demonstrate knowledge of the horse in Native American, particularly Great Plains Indians, history and culture.
- Articulate the role of the horse in the fields of mental health, physical therapy, wellness, public health, and education.
- Demonstrate intermediate horsemanship skills on the ground and mounted.
- Communicate proper equine safety procedures and policies and demonstrate safe and appropriate handling of horses in most situations encountered during normal handling and riding activities.
- Communicate the principles of equine behavior and demonstrate training and communication methods of natural horsemanship with horses.
- Demonstrate competency of basic anatomy and physiology of the horse, be conversant of common disease and lameness problems, communicate principles of equine nutrition and basic horse care to maximize horse health and performance, implement preventative health program for horses, and demonstrate basic care and first aid for horses.
- Demonstrate assessment of horses for suitability, function, soundness & health.
- Demonstrate teaching, facilitation, and management skills in equine educational outreach opportunities to youth and community.

Core Requirements:

ARSC 155 Intro to Natural Horsemanship: Gaining Confidence & Respect	3
ARSC 161 Equine Business Management	3

ARSC 252 Natural Horsemanship: Building a Relationship	3
ARSC 260 Introduction to Equine Studies	2
ARSC 262 Equine Marketing	2
ARSC 265 Great Plains Indian Horsemanship	2
ARSC 360 Equine Nutrition and Care	3
Total Core Semester Hours	**18**

Electives (10 credits – choose from one of two emphasis):

ARSC 261 Basic Horsemanship	2

Emphasis: Natural Horsemanship

ARSC 254 Natural Horsemanship: Harmony with your Horse I	3
ARSC 255 Natural Horsemanship: Harmony with your Horse II	3
ARSC 299 Equine Practicum	1-3
ARSC 362 Young Horse Starting & Development	3

Emphasis: Equine Assisted Services

ARSC 210 Introduction to Equine Assisted Services	3
ARSC 310 Principles of Equine Assisted Services	3
ARSC 311 Trauma-Focused Equine Assisted Services	3
ARSC 411 Equine Assisted Services Practicum	1-3
Total Elective Semester Hours	**10**

General Education Requirements:
See: General Education Requirements

Directed Electives

BIO 150 Biology I	4
PSY 115 Horses and Holistic Health	2
Total General Education Semester Hours	**36**
Cumulative Hours	**64**

NUETA HIDATSA SAHNISH COLLEGE
ASSOCIATE OF SCIENCE DEGREE PROGRAM
EQUINE STUDIES
2021-2022 (64 Credits)

STUDENT NAME: _____ ID# _____

DATE PLAN BEGAN: _____ **MAJOR:** _____

OTHER COLLEGES ATTENDED: _____

Term/Year	Course/Number	Course/Title	Credits	Grade
COLLEGE PREP COURSES *(As Advised)*				
F SP SU	_____			_____
F SP SU	_____			_____
GENERAL EDUCATION COURSES *(36 Credits required)*				
ENGLISH & SPEECH (9)				
F SP SU	_____	COMM 110	Fundamentals of Public Speaking	3	_____
F SP SU	_____	ENG 110	Composition I	3	_____
F SP SU	_____	ENG 120	Composition II	3	_____
FOUNDATIONS & FITNESS (2)				
F SP SU	_____	PSY 100	Psychology of Student Success	1	_____
F SP SU	_____	ASMT 200	Assessment of Student Learning	1	_____
HUMANITIES & NATIVE AMERICAN STUDIES (6)				
F SP SU	_____	NAS 201	History of TAT	3	_____
F SP SU	_____	NAS 113, 115, 117	Hidatsa, Mandan, Arikara	3	_____
MATH, SCIENCE & TECHNOLOGY (11 as Advised)				
F SP SU	_____	MA 103 (or above)	College Algebra	4	_____
F SP SU	_____	BIO 150	Biology I/Lab	4	_____
F SP SU	_____	Technology elective		3	_____
SOCIAL/BEHAVIORAL SCIENCE (6 as Advised)				
F SP SU	_____	_		3	_____
F SP SU	_____	_		3	_____
WELLNESS (2)				
F SP SU	_____	PSY 115	Horses & Holistic Health	2	_____
CORE REQUIREMENTS *(18 Credits required)*				
F SP SU	_____	ARSC 155	Natural Horsemanship: Conf/Respect	3	_____
F SP SU	_____	ARSC 161	Equine Business Management	3	_____
F SP SU	_____	ARSC 252	Natural Horsemanship: Bld Relationship	3	_____
F SP SU	_____	ARSC 260	Intro to Equine Studies	2	_____
F SP SU	_____	ARSC 262	Equine Marketing	2	_____
F SP SU	_____	ARSC 265	Great Plains Indian Horsemanship	2	_____
F SP SU	_____	ARSC 360	Equine Nutrition & Care	3	_____
ELECTIVES *(10 Credits required)*				
F SP SU	_____	ARSC 261	Basic Horsemanship	2	_____
Natural Horsemanship				
F SP SU	_____	ARSC 254	Nat Hmnship: Harmony w/ Horse I	3	_____
F SP SU	_____	ARSC 255	Nat Hmnship: Harmony w/ Horse II	3	_____
F SP SU	_____	ARSC 299	Equine Practicum	1-3	_____
F SP SU	_____	ARSC 362	Young Horse Starting & Development	3	_____
Equine Assisted Services				
F SP SU	_____	ARSC 210	Intro Equine Assisted Services	3	_____
F SP SU	_____	ARSC 310	Principles Equine Assisted Services	3	_____
F SP SU	_____	ARSC 311	Trauma-Focused Equine Asstd. Services	3	_____
F SP SU	_____	ARSC 411	Equine Assisted Services Practicum	1-3	_____

GENERAL STUDIES

Degree: Associate of Arts
Credit Hours Required: 62
The program is designed to provide students with the opportunity to acquire basic principles, skills, and information in major areas of study. It prepares students for transfer to a four-year college. General Studies students will develop an understanding of the major cultural traditions.

Program Learning Outcomes (PLOs):

- Use critical thinking skills to identify problems, process alternatives, and choose appropriate solutions.
- Use math concepts and reasoning to solve problems in the real world.
- Demonstrate skill in writing and speaking to communicate effectively.
- Explain basic concepts of behavior and interrelationships across human societies and global cultures.
- Outline the major traditional themes and concepts of the Mandan, Hidatsa, and Arikara cultures.
- Demonstrate an understanding of theory, colors, designs, and shapes of specific art forms.
- Recognize the contributions of the arts and humanities to the world of ideas.
- Explore the physical and social environments using scientific tools and methods.

Professional Required Courses:	
Art & Humanities	18
Electives	8
Total Semester Hours:	**26**
General Education Requirements:	
See: General Education Requirement	
Total Semester Hours:	**36**
Cumulative Hours:	**62**

NUETA HIDATSA SAHNISH COLLEGE
ASSOCIATE OF ARTS DEGREE PROGRAM
GENERAL STUDIES
2021-2022 (62 Credits)

STUDENT NAME: _____ ID# _____

DATE PLAN BEGAN: _____ **MAJOR:** _____

OTHER COLLEGES ATTENDED: _____

Term/Year	Course/Number	Course/Title	Credits	Grade
COLLEGE PREP COURSES *(As Advised)*				
F SP SU	_____			_____
F SP SU	_____			_____
GENERAL EDUCATION COURSES *(36 Credits required)*				
ENGLISH & SPEECH (9)				
F SP SU	_____	COMM 110	Fundamentals of Public Speaking	3	_____
F SP SU	_____	ENG 110	Composition I	3	_____
F SP SU	_____	ENG 120	Composition II	3	_____
FOUNDATIONS & FITNESS (2)				
F SP SU	_____	PSY 100	Psychology of Student Success	1	_____
F SP SU	_____	ASMT 200	Assessment of Student Learning	1	_____
HUMANITIES & NATIVE AMERICAN STUDIES (6)				
F SP SU	_____	NAS 201	History of TAT	3	_____
F SP SU	_____	NAS 113, 115, 117	Hidatsa, Mandan, Arikara	3	_____
MATH, SCIENCE & TECHNOLOGY (11 as Advised)				
F SP SU	_____	MA 103 (or above)	College Algebra	4	_____
F SP SU	_____	SCI	Science Elective	4	_____
F SP SU	_____	CSCI 101	Introduction to Computers	3	_____
SOCIAL/BEHAVIORAL SCIENCE (6 as Advised)				
F SP SU	_____		3	_____
F SP SU	_____		3	_____
WELLNESS (2 as Advised)				
F SP SU	_____		1	_____
F SP SU	_____		1	_____
ARTS/HUMANITIES ELECTIVES *(18 Credits required)*				
F SP SU	_____		3	_____
F SP SU	_____		3	_____
F SP SU	_____		3	_____
F SP SU	_____		3	_____
F SP SU	_____		3	_____
F SP SU	_____		3	_____
ELECTIVES *(8 Credits required)*				
F SP SU	_____		3	_____
F SP SU	_____		3	_____
F SP SU	_____		3	_____

GENERAL STUDIES NURSING TRANSFER

Degree: Associate of Arts
Credit Hours Required: 62
This program is designed to provide students with the opportunity to acquire basic principles, skills, and information in major areas of study with an emphasis in the sciences. This program prepares students for transfer to a four-year institution with the background knowledge necessary to enter into a nursing program. The General Studies program will provide students with a well-rounded educational and cultural experience that will provide a solid educational foundation.

Program Learning Outcomes (PLOs):

- Display the general knowledge of the structures and functions of the human body.
- Display the general knowledge of the principles of pathogens and how they affect the human body.
- Demonstrate appropriate behaviors and cultural awareness necessary for working with patients, families, and other members of the health care team.
- Be able to communicate effectively – both orally and writing – with diverse populations of patients, families, and other members of the health care team.
- Demonstrate a basic understanding of the underlying chemical, biological, and cellular properties of living organisms.
- Demonstrate proper lifesaving skills in the event of an emergency or cardiopulmonary arrest.
- Apply arithmetic principles to provide accurate, safe, and high-quality care to patients.

Professional Required Courses:	
Sciences	20
Electives	6
Total Semester Hours:	**26**
General Education Requirements:	
See: General Education Requirement	
Total Semester Hours:	**36**
Cumulative Hours:	**62**

NUETA HIDATSA SAHNISH COLLEGE
ASSOCIATE OF ARTS DEGREE PROGRAM
GENERAL STUDIES: PRE-NURSING EMPHASIS
2021-2022 (62 Credits)

STUDENT NAME: _____ ID# _____

DATE PLAN BEGAN: _____ **MAJOR:** _____

OTHER COLLEGES ATTENDED: _____

Term/Year	Course/Number	Course/Title	Credits	Grade
COLLEGE PREP COURSES *(As Advised)*				
F SP SU	_____			_____
F SP SU	_____			_____
GENERAL EDUCATION COURSES *(36 Credits required)*				
ENGLISH & SPEECH (9)				
F SP SU	_____COMM 110	Fundamentals of Public Speaking	3	_____
F SP SU	_____ENG 110	Composition I	3	_____
F SP SU	_____ENG 120	Composition II	3	_____
FOUNDATIONS & FITNESS (2)				
F SP SU	_____PSY 100	Psychology of Student Success	1	_____
F SP SU	_____ASMT 200	Assessment of Student Learning	1	_____
HUMANITIES & NATIVE AMERICAN STUDIES (6)				
F SP SU	_____NAS 201	History of TAT	3	_____
F SP SU	_____NAS 113, 115, 117	Hidatsa, Mandan, Arikara	3	_____
MATH, SCIENCE & TECHNOLOGY (11 as Advised)				
F SP SU	_____MA 103 (or above)	College Algebra	4	_____
F SP SU	_____BIO 150	Biology I/Lab	4	_____
F SP SU	_____ __	Technology Elective	3	_____
SOCIAL/BEHAVIORAL SCIENCE (6 as Advised)				
F SP SU	_____ __		3	_____
F SP SU	_____ __		3	_____
WELLNESS (2 as Advised)				
F SP SU	_____HPER 210	First Aid/CPR	1	_____
F SP SU	_____ __		1	_____
HUMANITIES ELECTIVES *(20 Credits required)*				
F SP SU	_____BIO 151	Biology II	4	_____
F SP SU	_____BIO 202	Intro to Microbiology	4	_____
F SP SU	_____BIO 220	Anatomy & Physiology I	4	_____
F SP SU	_____BIO 221	Anatomy & Physiology II	4	_____
F SP SU	_____CHEM 115/121	Intro Chemistry/Chemistry I	4	_____
ELECTIVES *(6 Credits required)*				
F SP SU	_____NURS 100	Nurse Assistant Training	4	_____
F SP SU	_____PSY 250	Developmental Psychology	3	_____
F SP SU	_____PSY 270	Abnormal Psychology	3	_____
F SP SU	_____MA 209	Statway Statistics II	4	_____
F SP SU	_____MA 210	Elementary Statistics	4	_____
F SP SU	_____CHEM 122	General Chemistry II	4	_____
F SP SU	_____ART 130	Drawing I	3	_____
F SP SU	_____ART 160	Painting I	3	_____

HUMAN SERVICES: SOCIAL WORK CONCENTRATION

Degree: Associate of Arts
Credit Hours Required: 65
Human Services Social Work curriculum is designed to prepare students interested in working with businesses to obtain entry-level employment in public and private social service agencies. The social work student will be equipped with the skills, knowledge, values, and sensitivity to effectively serve human needs in a variety of community settings. Each class will provide the student with the paraprofessional level of competencies necessary to prepare them to work in general social services or prepare them for a specialized practice upon their transfer to a four-year college.

Program Learning Outcomes (PLOs):

- Identify as a professional social worker and conduct oneself accordingly.
- Apply social work ethical principles to guide professional practice.
- Apply critical thinking to inform and communicate professional judgments.
- Engage diversity and difference in practice.
- Advance human rights and social and economic justice.
- Engage in research-informed practice and practice-informed research
- Apply knowledge of human behavior and the social environment.

Professional Course Requirements

SWK 110 Social Work Values & Ethics	3
SWK 155 Human Development in the Social Environment	3
SWK 160 Introduction to Social Work	3
SWK 208 Methods of Social Work Research	3
SWK 255 Social Work Profession	3
SWK 256 Social Welfare	3
PSY 250 Developmental Psychology	3
Total Semester Hours:	**21**

Electives (8 credits)

SWK 106 Domestic Violence	3
SWK 230 Aging and Social Work	3
SWK 250 Interpersonal Skills	2
SWK 260 Cultural Diversity	3
SOC 215 Marriage and Family	3
Total Semester Hours:	**8**

General Education Requirements:
See: General Education Requirement
(PSY 111 Intro to Psychology and SOC 110 Intro to Sociology are directed electives under the Gen Ed Requirements)

Total Semester Hours:	**36**
Cumulative Hours:	**65**

NUETA HIDATSA SAHNISH COLLEGE
ASSOCIATE OF ARTS DEGREE PROGRAM
HUMAN SERVICES-
SOCIAL WORK CONCENTRATION
2021-2022 (65 Credits)

STUDENT NAME: _____ ID# _____

DATE PLAN BEGAN: _____ **MAJOR:** _____

OTHER COLLEGES ATTENDED: _____

Term/Year	Course/Number	Course/Title	Credits	Grade
		COLLEGE PREP COURSES *(As Advised)*		
F SP SU	_____			_____
F SP SU	_____			_____
		GENERAL EDUCATION COURSES *(36 Credits required)*		
ENGLISH & SPEECH (9)				
F SP SU	_____	COMM 110	Fundamentals of Public Speaking	3	_____
F SP SU	_____	ENG 110	Composition I	3	_____
F SP SU	_____	ENG 120	Composition II	3	_____
FOUNDATIONS & FITNESS (2)				
F SP SU	_____	PSY 100	Psychology of Student Success	1	_____
F SP SU	_____	ASMT 200	Assessment of Student Learning	1	_____
HUMANITIES & NATIVE AMERICAN STUDIES (6)				
F SP SU	_____	NAS 201	History of TAT	3	_____
F SP SU	_____	NAS 113, 115, 117	Hidatsa, Mandan, Arikara	3	_____
MATH, SCIENCE & TECHNOLOGY (11 as Advised)				
F SP SU	_____	MA 103 (or above)	Math Elective	4	_____
F SP SU	_____	BIO 150	Biology I/Lab	4	_____
F SP SU	_____	CSCI 101	Introduction to Computers	3	_____
SOCIAL/BEHAVIORAL SCIENCE (6)				
F SP SU	_____	PSY 111	Introduction to Psychology	3	_____
F SP SU	_____	SOC 110	Introduction to Sociology	3	_____
WELLNESS (2 as Advised)				
F SP SU	_____		1	_____
F SP SU	_____		1	_____
		CORE REQUIREMENTS *(21 Credits required)*		
F SP SU	_____	SWK 110	Social Work Values & Ethics	3	_____
F SP SU	_____	SWK 155	Human Development in the Social Env.	3	_____
F SP SU	_____	SWK 160	Introduction to Social Work	3	_____
F SP SU	_____	SWK 208	Methods of Social Work Research	3	_____
F SP SU	_____	SWK 255	Social Work Profession	3	_____
F SP SU	_____	SWK 256	Social Welfare	3	_____
F SP SU	_____	PSY 250	Developmental Psychology	3	_____
		ELECTIVES *(8 Credits required)*		
F SP SU	_____	SWK 106	Domestic Violence	3	_____
F SP SU	_____	SWK 230	Aging and Social Work	3	_____
F SP SU	_____	SWK 250	Interpersonal Skills	2	_____
F SP SU	_____	SWK 260	Cultural Diversity	3	_____
F SP SU	_____	SOC 215	Marriage and Family	3	_____

MATHEMATICS

Degree: Associate of Science
Credit Hours Required: 65
The Mathematics Program is designed to prepare a student for entry-level studies in general mathematics and for further education in mathematics-related areas of study. A two-year curriculum in mathematics is available for students who plan to obtain an Associate in Science degree by completing the NHSC requirements.

Program Learning Outcomes (PLOs):

- Apply Mathematical reasoning and procedures to real-world problems.
- Communicate clearly, orally and in writing, the process by which they approach problems, and the conclusions drawn from solving them.
- Recognize the Historical Roots of Mathematics, and the ways in which Mathematics has affected the history of human intellectual endeavors.
- Utilize scientific methodology and Mathematical analysis to investigate their physical and social environments.
- Use technology to calculate, graph, and analyze data.
- Demonstrate how mathematics is tied to the history and culture of the Nueta, Hidatsa, and Sahnish people.

Professional Course Requirements	
MA 105 Trigonometry	2
MA 129 Basic Linear Algebra	3
MA 165 Calculus I	4
MA 166 Calculus II	4
MA 209 or 210 Statway II or Elementary Statistics	4
MA 280 College Geometry	3
MA Electives	9
Total Program Hours:	**29**
General Education Requirements	
(See: General Education Requirement	**36**
Total Semester Hours:	**65**

NUETA HIDATSA SAHNISH COLLEGE
ASSOCIATE OF SCIENCE DEGREE PROGRAM
MATHEMATICS
2021-2022 (65 Credits)

STUDENT NAME: _____ ID# _____

DATE PLAN BEGAN: _____ **MAJOR**: _____

OTHER COLLEGES ATTENDED: _____

Term/Year	Course/Number	Course/Title	Credits	Grade
COLLEGE PREP COURSES *(As Advised)*				
F SP SU	_____			_____
F SP SU	_____			_____
GENERAL EDUCATION COURSES *(36 Credits required)*				
ENGLISH & SPEECH (9)				
F SP SU	_____	COMM 110	Fundamentals of Public Speaking	3	_____
F SP SU	_____	ENG 110	Composition I	3	_____
F SP SU	_____	ENG 120	Composition II	3	_____
FOUNDATIONS & FITNESS (2)				
F SP SU	_____	PSY 100	Psychology of Student Success	1	_____
F SP SU	_____	ASMT 200	Assessment of Student Learning	1	_____
HUMANITIES & NATIVE AMERICAN STUDIES (6)				
F SP SU	_____	NAS 201	History of TAT	3	_____
F SP SU	_____	NAS 113, 115, 117	Hidatsa, Mandan, Arikara	3	_____
MATH, SCIENCE & TECHNOLOGY (11 as Advised)				
F SP SU	_____	MA 103 (or above)	College Algebra	4	_____
F SP SU	_____	SCI	Science Elective	4	_____
F SP SU	_____	CSCI 101	Introduction to Computers	3	_____
SOCIAL/BEHAVIORAL SCIENCE (6 as Advised)				
F SP SU	_____		3	_____
F SP SU	_____		3	_____
WELLNESS (2 as Advised)				
F SP SU	_____		1	_____
F SP SU	_____		1	_____
CORE REQUIREMENTS *(20 Credits required)*				
F SP SU	_____	MA 105	Trigonometry	2	_____
F SP SU	_____	MA 129	Basic Linear Algebra	3	_____
F SP SU	_____	MA 165	Calculus I	4	_____
F SP SU	_____	MA 166	Calculus II	4	_____
F SP SU	_____	MA 209 or 210	Statway II or Elementary Statistics	4	_____
F SP SU	_____	MA 280	College Geometry	3	_____
ELECTIVES *(9 Credits required) field of study*				
F SP SU	_____		_	_____
F SP SU	_____		_	_____
F SP SU	_____		_	_____
F SP SU	_____		_	_____

NATIVE AMERICAN STUDIES, AA

Degree: Associate of Arts
Credit Hours Required: 63

The NAS program is an interdisciplinary program focused on the Indigenous peoples of the Americas with an emphasis on the Plains Indians, particularly the Mandan, Hidatsa, and Arikara. The curriculum provides an interdisciplinary and scholarly approach to Native American Studies from a Native perspective. The comprehensive program structure is designed to prepare students for employment within and outside their Native communities, to provide foundational courses for students continuing in Native American Studies or entering other disciplines, and to offer intellectually stimulating studies for student scholars and community members. The NAS program uses a variety of applicable college resources ranging from laboratories of the hard science to the philosophical discussions of research methodologies proposed by other departments.

Two-Year Program Learning Outcomes (PLOs):

- Students will be able to explain the concept of tribal sovereignty and how it is affected by the federal trust relationship, and how it interfaces with the state government
- Students will know how tribal governments developed, and how they function today
- Students will understand the interplay of tribal history, culture, and politics in the shaping of tribal perspectives
- Students will be able to identify historical and cultural diversity in Native literature—both oral and written
- Students will demonstrate an understanding of historical and contemporary experiences and issues of Indigenous peoples in North America from the perspective of American Indian peoples

Core Requirements

NAS 101 Intro to Native American Studies	3
NAS 102 Comparative Spiritual Beliefs	3
NAS 114 Hidatsa II, or NAS 116 Nueta (Mandan) II, or NAS 118 Sahnish (Arikara) II	3
NAS 213 Tribal Government	3
NAS 221 History of Indian Education	3
NAS 225 Traditional Gardening and Foods	3
Total Semester Hours	**18**
Native American Studies Electives	**9**

General Education Requirements:
See: General Education Requirement
(BIO 206 Ethnobotany is a directed elective under the Gen Ed Requirements)

Total Semester Hours:	**36**
Cumulative Hours	**63**

NUETA HIDATSA SAHNISH COLLEGE
ASSOCIATE OF ARTS DEGREE PROGRAM
NATIVE AMERICAN STUDIES
2021-2022 (63 Credits)

STUDENT NAME: _____ ID# _____

DATE PLAN BEGAN: _____ **MAJOR:** _____

OTHER COLLEGES ATTENDED: _____

Term/Year	Course/Number	Course/Title	Credits	Grade
COLLEGE PREP COURSES *(As Advised)*				
F SP SU	_____			_____
F SP SU	_____			_____
GENERAL EDUCATION COURSES *(36 Credits required)*				
ENGLISH & SPEECH (9)				
F SP SU	_____	COMM 110	Fundamentals of Public Speaking	3	_____
F SP SU	_____	ENG 110	Composition I	3	_____
F SP SU	_____	ENG 120	Composition II	3	_____
FOUNDATIONS & FITNESS (2)				
F SP SU	_____	PSY 100	Psychology of Student Success	1	_____
F SP SU	_____	ASMT 200	Assessment of Student Learning	1	_____
HUMANITIES & NATIVE AMERICAN STUDIES (6)				
F SP SU	_____	NAS 201	History of TAT	3	_____
F SP SU	_____	NAS 113, 115, 117	Hidatsa, Mandan, Arikara	3	_____
MATH, SCIENCE & TECHNOLOGY (11)				
F SP SU	_____	MA 103 (or above)	College Algebra	4	_____
F SP SU	_____	CSCI 101	Introduction to Computers	3	_____
F SP SU	_____	BIO 206	Ethnobotany	4	_____
SOCIAL/BEHAVIORAL SCIENCE (6 as Advised)				
F SP SU	_____		3	_____
F SP SU	_____		3	_____
WELLNESS (2 as Advised)				
F SP SU	_____		1	_____
F SP SU	_____		1	_____
CORE REQUIREMENTS *(18 Credits required)*				
F SP SU	_____	NAS 101	Intro to Native American Studies	3	_____
F SP SU	_____	NAS 102	Comp. Spiritual Beliefs	3	_____
F SP SU	_____	NAS 114, 116, 118	Hidatsa II, Mandan II, Arikara II	3	_____
F SP SU	_____	NAS 213	Tribal Government	3	_____
F SP SU	_____	NAS 221	History of Indian Education	3	_____
F SP SU	_____	NAS 225	Traditional Gardening and Foods	3	_____
NATIVE AMERICAN STUDIES ELECTIVES *(9 Credits required) in degree area*				
F SP SU	_____	NAS		3	_____
F SP SU	_____	NAS		3	_____
F SP SU	_____	NAS		3	_____

NATIVE AMERICAN STUDIES, BA

Degree: Bachelors of Arts
Credit Hours Required: 122
The NAS program is an interdisciplinary program focused on the Indigenous peoples of the Americas with an emphasis on the Plains Indians, particularly the Mandan, Hidatsa, and Arikara. The curriculum provides an interdisciplinary and scholarly approach to Native American Studies from a Native perspective. The comprehensive program structure is designed to prepare students for employment within and outside their Native communities, to provide foundational courses for students continuing in Native American Studies or entering other disciplines, and to offer intellectually stimulating studies for student scholars and community members. The NAS program uses a variety of applicable college resources ranging from laboratories of the hard science to the philosophical discussions of research methodologies proposed by other departments.

Four-Year Program Learning Outcomes (PLOs):

- Students will engage in effective oral and written communication.
- Students will be able to conduct critical analyses of texts.
- Students will demonstrate a comprehensive understanding of contemporary and historical issues and ideas related to Native American peoples.
- Students will be able to conduct research independently, being aware of the available Native Studies resources and appropriate research methodologies.
- Students will demonstrate an understanding of historical and contemporary experiences and issues of Indigenous peoples in North America from the perspective of American Indian peoples

Core Requirements

NAS 101 Introduction to Native American Studies	3
NAS 102 Comparative Spiritual Beliefs	3
NAS 105 Native American Art	3
NAS 114,116,118 (Choose One) Nueta (Mandan), Hidatsa, Sahnish (Arikara) II	3
NAS 203 Native American Philosophy	3
NAS 213 Tribal Government	3
NAS 221 History of Indian Education	3
NAS 225 Traditional Gardening and Foods	3
NAS 240 Research & Writing in Native American Studies	3
ENG 265 Native American Literature	3
NAS 301, 302, 303 (Choose One) History of Nueta, Hidatsa, or Sahnish	3
Total Semester Hours	**33**

Professional Development Requirements

BIO 388 Native American Ecological Knowledge	3
NAS 307 Native American Leadership: Past & Present	3
NAS 308 Tribal, State, & Federal Programs on Indian Reservations	3
NAS 309 Native American Religion and Spirtuality	3

NAS 330 Plains Native American Cultures	3
NAS 350 Native American Languages	3
NAS 385 Native American Economic Development	3
NAS 400 Indian Country Today	3
NAS 401 Evaluating Research of the TAT	3
NAS 402 Ag & Natural Resource Mgmt. in NA Communities	3
NAS 420 Federal Indian Law and Policy	3
NAS 424 Native American Oral Literature	3
NAS 430 Native American Studies Internship	3
NAS 497 Senior Thesis in Native American Studies	3
Total Semester Hours	**42**

Native American Studies Electives (12 credits)
Choose from 12 credits of NAS approved electives or choose one of three emphasis.

Emphasis: Native American Business Entrepreneurship (12 credits)

BADM 120 Intro to Business	3
BADM 170 Entrepreneurship	3
BADM 188 Computerized Accounting	3
BADM 206 Writing a Business Plan	3

Emphasis: Native American Leadership and Governance (12 credits)

BADM 191 Leadership Development	3
BADM 225 Human Behavior in Organizations	3
NAS 492 Directed Readings	1
POLS 250 Public Administration	3
POLS 297 Tribal Government Internship	3

Emphasis: Tribal Language (12 credits)

EDU 232 Classroom Management	3
EDU 299 Language & Curriculum Development	3
NAS 298 Pre-Professional Experience	3
NAS 494 Independent Study	3

Total Semester Hours **12**

General Education Requirements:
See: General Education Requirement
(BIO 206 Ethnobotany is a directed elective under the Gen Ed Requirements)
Total Semester Hours **35**

Cumulative Hours **122**

NUETA HIDATSA SAHNISH COLLEGE
BACHELOR OF ARTS DEGREE PROGRAM
NATIVE AMERICAN STUDIES
2021-2022 (122 Credits)

STUDENT NAME: _____ ID# _____

DATE PLAN BEGAN: _____ **MAJOR:** _____

OTHER COLLEGES ATTENDED: _____

Term/Year	Course/Number	Course/Title	Credits	Grade
COLLEGE PREP COURSES *(As Advised)*				
F SP SU _____	__			_____
F SP SU _____	__			_____
GENERAL EDUCATION COURSES *(35 Credits required)*				
ENGLISH & SPEECH (9)				
F SP SU _____	COMM 110	Fundamentals of Public Speaking	3	_____
F SP SU _____	ENG 110	Composition I	3	_____
F SP SU _____	ENG 120	Composition II	3	_____
FOUNDATIONS & FITNESS (1)				
F SP SU _____	PSY 100	Psychology of Student Success	1	_____
HUMANITIES & NATIVE AMERICAN STUDIES (6)				
F SP SU _____	NAS 201	History of TAT	3	_____
F SP SU _____	NAS 113, 115, 117	Hidatsa, Mandan, Arikara	3	_____
MATH, SCIENCE & TECHNOLOGY (11)				
F SP SU _____	MA 103 (or above)	College Algebra	4	_____
F SP SU _____	BIO 206	Ethnobotany	4	_____
F SP SU _____	CSCI 101	Introduction to Computers	3	_____
SOCIAL/BEHAVIORAL SCIENCE (6 as Advised)				
F SP SU _____			3	_____
F SP SU _____			3	_____
WELLNESS (2 as Advised)				
F SP SU _____	___		1	_____
F SP SU _____	___		1	_____
CORE REQUIREMENTS *(33 Credits required)*				
F SP SU _____	NAS 101	Intro to Native American Studies	3	_____
F SP SU _____	NAS 102	Comp. Spiritual Beliefs	3	_____
F SP SU _____	NAS 105	Native American Art	3	_____
F SP SU _____	NAS 114, 116, 118	Hidatsa II, Mandan II or Arikara II,	3	_____
F SP SU _____	NAS 203	Native American Philosophy	3	_____
F SP SU _____	NAS 213	Tribal Government	3	_____
F SP SU _____	NAS 221	History of Indian Education	3	_____
F SP SU _____	NAS 225	Traditional Gardening and Foods	3	_____
F SP SU _____	NAS 240	Research and Writing in Native Amer. Studies	3	_____
F SP SU _____	ENG 265	Native American Literature	3	_____
F SP SU _____	NAS 301, 302, 303	History Nueta, Hidatsa, or Sahnish	3	_____
PROFESSIONAL REQUIREMENTS *(42 Credits required)*				
F SP SU _____	BIO 388	NA Ecological Knowledge	3	_____
F SP SU _____	NAS 307	Native American Leadership: Past & Present	3	_____
F SP SU _____	NAS 308	Tribal, State, & Fed. Prog. On Indian Reserv.	3	_____
F SP SU _____	NAS 309	Native American Religion & Spirituality	3	_____
F SP SU _____	NAS 330	Plains Native American Culture	3	_____
F SP SU _____	NAS 350	Native American Languages	3	_____
F SP SU _____	NAS 385	NA Economic Development	3	_____
F SP SU _____	NAS 400	Indian Country Today	3	_____
F SP SU _____	NAS 401	Eval. Research of the TAT	3	_____
F SP SU _____	NAS 402	Ag. & Nat. Res. Man, in NA Community	3	_____
F SP SU _____	NAS 420	Federal Indian Law & Policy	3	_____
F SP SU _____	NAS 424	NA Oral Literature	3	_____
F SP SU _____	NAS 430	Native American Studies Internship	3	_____
F SP SU _____	NAS 497	Senior Thesis	3	_____
ELECTIVES *(12 Credits required) field of study*				
F SP SU _____	NAS		3	_____
F SP SU _____	NAS		3	_____
F SP SU _____	NAS		3	_____
F SP SU _____	NAS		3	_____

PRE-ENGINEERING

Degree: Associate of Science
Credit Hours Required: 66
This program is designed to prepare students for transfer to a four-year college to complete a program in the Engineering field. The curriculum introduces students to the nature of the profession and to the different specialties in Engineering. The program also provides thorough grounding in the necessary Mathematics, Physics, and Chemistry courses which are the foundation of all Engineering and emphasize how Engineers can benefit the local community and society as a whole.

The Pre-Engineering program provides a two-year course of study at NHSC with an additional two years of study at an affiliated university. Students completing the program receive an Associate degree in Pre-Engineering from NHSC and a Bachelor of Science in one of the Engineering disciplines from the affiliated university.

Students must achieve a C or better in all core classes to graduate with an A.S. degree in Pre-Engineering.
Program Learning Outcomes (PLOs):

- The student will be able to identify, formulate, and solve engineering problems.
- The student will be able to apply knowledge of mathematics, science, and engineering to real-world problems.
- The student will be able to work effectively as members or leaders of a team to accomplish an objective.
- The student will have knowledge of contemporary issues.
- The student will have an understanding of professional and ethical responsibility.
- The student will be able to communicate clearly, orally, and in writing the process by which they approach problems, and the conclusions drawn from solving them.
- The student will demonstrate the ability to design and conduct experiments, as well as to analyze and interpret data.
- The student will have the ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

Professional Course Requirements
(*Courses in Italics are counted toward the NHSC General Education Requirements)*

CHEM 121 Chemistry I	*4*
CHEM 122 Chemistry II	4
ENGR 115 Intro to Engineering w/CAD	*4*
ENGR 201 Statics	3
ENGR 202 Dynamics	3
MA 129 Basic Linear Algebra	3
MA 165 Calculus I	*4*
MA 166 Calculus II	4
MA 265 Calculus III	4
ME 223 Mechanics of Materials	3

Electives (Choose minimum of 2):

ENGR 297 Engineering Internship	3
EE 206 Circuit Analysis/Lab	4
CE 204 Surveying	4
ME 223 Mechanics of Materials	3
ME 350 Thermodynamics	3

MA 105 Trigonometry	2
MA 107 Pre-Calculus	4
MA 266 Differential Equations	3
Total Semester Hours:	**41-46**

General Education Course Requirements (not including the courses in Italics above)

See: General Education Requirement	**25**
Cumulative Hours:	**66-71**

The Pre-Engineering Program at Nueta Hidatsa Sahnish College is part of the Pipeline for Tribal Pre-Engineering to Society (PTiPS) pre-engineering/engineering collaboration between mainstream university, North Dakota State University and tribal colleges, Candeska Cikana Community College, Nueta Hidatsa Sahnish College, Turtle Mountain Community College, and Sitting Bull College.

NUETA HIDATSA SAHNISH COLLEGE
ASSOCIATE OF SCIENCE DEGREE PROGRAM
PRE-ENGINEERING
2021-2022 (66 Credits)

STUDENT NAME: _____ID# _____

DATE PLAN BEGAN: _____**MAJOR:** _____

OTHER COLLEGES ATTENDED: _____

Term/Year	Course/Number	Course/Title	Credits	Grade
COLLEGE PREP COURSES *(As Advised)*				
F SP SU	_____			_____
F SP SU	_____			_____
GENERAL EDUCATION COURSES *(37 Credits required)*				
ENGLISH & SPEECH (9)				
F SP SU	_____	COMM 110	Fundamentals of Public Speaking	3	_____
F SP SU	_____	ENG 110	Composition I	3	_____
F SP SU	_____	ENG 120	Composition II	3	_____
FOUNDATIONS & FITNESS (2)				
F SP SU	_____	PSY 100	Psychology of Student Success	1	_____
F SP SU	_____	ASMT 200	Assessment of Student Learning	1	_____
HUMANITIES & NATIVE AMERICAN STUDIES (6)				
F SP SU	_____	NAS 201	History of TAT	3	_____
F SP SU	_____	NAS 113, 115 or 117	Hidatsa, Mandan, Arikara	3	_____
MATH, SCIENCE & TECHNOLOGY (12)				
F SP SU	_____	MA 103	College Algebra (or higher)	4	_____
F SP SU	_____	CHEM 121	Chemistry I	4	_____
F SP SU	_____	ENGR 115	Intro to Engineering/CAD	4	_____
SOCIAL/BEHAVIORAL SCIENCE (6 as Advised)				
F SP SU	_____ __		3	_____
F SP SU	_____ __		3	_____
WELLNESS (2 as Advised)				
F SP SU	_____		1	_____
F SP SU	_____		1	_____
ENGINEERING ELECTIVES *(Choose min of 4: 12 -14 credits required) field of study*				
F SP SU	_____	ENGR 201	Statics	3	_____
F SP SU	_____	ENGR 202	Dynamics	3	_____
F SP SU	_____	ENGR 297	Engineering Internship	3	_____
F SP SU	_____	ME 223	Mechanics of Materials	3	_____
F SP SU	_____	ME 350	Thermodynamics	3	_____
F SP SU	_____	CE 204	Surveying	4	_____
F SP SU	_____	EE 206	Circuit Analysis I	4	_____
MATH ELECTIVES (*Choose min of 4: 13-16 credits required) field of study*				
F SP SU	_____	MA 105	Trigonometry	2	_____
F SP SU	_____	MA 107	Pre-Calculus	4	_____
F SP SU	_____	MA 129	Basic Linear Algebra	3	_____
F SP SU	_____	MA 165	Calculus I	4	_____
F SP SU	_____	MA 166	Calculus II	4	_____
F SP SU	_____	MA 265	Calculus III	4	_____
F SP SU	_____	MA 266	Differential Equations	3	_____
SCIENCE ELECTIVES *(Choose 1: 4 Credits required) field of study*				
F SP SU	_____	PHYS 251	University Physics I	4	_____
F SP SU	_____	PHYS 252	University Physics II	4	_____
F SP SU	_____	CHEM 122	Chemistry II	4	_____

SCIENCE

Degree: Associate of Science
Credit Hours Required: 64
The Science Program is designed to prepare a student for entry-level studies in general science and a concentration in a specific field of science. The student has the option to begin secondary education course work. The courses are tailored to meet the needs of the student who will transfer to a four-year degree program in a Science major.

Program Learning Outcomes (PLOs):

- The student will be able to apply the general knowledge and skills which are fundamental to a variety of academic disciplines.
- The student will be able to demonstrate the proper use of environmental sampling equipment in the classroom and in the field according to accepted "Standard Methods."
- The student will be able to describe, orally and in writing, the similarities and differences between traditional native versus modern views of the Earth.
- The student will be able to describe biological, chemical and physical influences on the environment from human activities.
- The student will demonstrate general knowledge of current environmental issues on local, regional and global scales.
- The student will able to describe the interactions between and the interdependence of the Earth's ecosystems.

Professional Course Requirements:

Core Requirement:	
BIO 151 Biology II	4
CHEM 121 Chemistry I	4
CHEM 122 Chemistry II	4
Elective – Choose from one of the following:	4
GEOL 100 Earth Science –OR- PHY 105 Physical Science	
Science Area Concentration:	12
Minimum of three classes from Science, all the same prefix	
BIO, CHEM, GEOL, PHY	
Total Semester Hours:	**28**
General Education Requirements:	
See: General Education Requirement	
(Bio 150 Biology I is a directed elective under the Gen Ed Requirements)	
Total Semester Hours:	**36**
Cumulative Hours:	**64**

NUETA HIDATSA SAHNISH COLLEGE
ASSOCIATE OF SCIENCE DEGREE PROGRAM
SCIENCE
2021-2022 (64 Credits)

STUDENT NAME: _____ ID# _____

DATE PLAN BEGAN: _____ **MAJOR:** _____

OTHER COLLEGES ATTENDED: _____

Term/Year	Course/Number	Course/Title	Credits	Grade
COLLEGE PREP COURSES *(As Advised)*				
F SP SU	_____			_____
F SP SU	_____			_____
GENERAL EDUCATION COURSES *(36 Credits required)*				
ENGLISH & SPEECH (9)				
F SP SU	_____	COMM 110	Fundamentals of Public Speaking	3	_____
F SP SU	_____	ENG 110	Composition I	3	_____
F SP SU	_____	ENG 120	Composition II	3	_____
FOUNDATIONS & FITNESS (2)				
F SP SU	_____	PSY 100	Psychology of Student Success	1	_____
F SP SU	_____	ASMT 200	Assessment of Student Learning	1	_____
HUMANITIES & NATIVE AMERICAN STUDIES (6)				
F SP SU	_____	NAS 201	History of TAT	3	_____
F SP SU	_____	NAS 113, 115 or 117	Hidatsa, Mandan, Arikara	3	_____
MATH, SCIENCE & TECHNOLOGY (11)				
F SP SU	_____	MA 103 (or above)	College Algebra	4	_____
F SP SU	_____	BIO 150	Biology I/Lab	4	_____
F SP SU	_____	CSCI 101	Introduction to Computers	3	_____
SOCIAL/BEHAVIORAL SCIENCE (6 as Advised)				
F SP SU	_____		3	_____
F SP SU	_____		3	_____
WELLNESS (2 as Advised)				
F SP SU	_____		1	_____
F SP SU	_____		1	_____
CORE REQUIREMENTS *(12 Credits required)*				
F SP SU	_____	BIO 151	Biology II/Lab	4	_____
F SP SU	_____	CHEM 121	General Chemistry I	4	_____
F SP SU	_____	CHEM 122	General Chemistry II	4	_____
ELECTIVES *(4 Credits required) field of study*				
F SP SU	_____	GEOG 100	Earth Science	4	_____
F SP SU	_____	PHYS 105	Physical Science	4	_____
SCIENCE AREA CONCENTRATION *(12 Credits required) field of study*				
F SP SU	_____		_	_____
F SP SU	_____		_	_____
F SP SU	_____		_	_____

SUSTAINABLE ENERGY TECHNOLOGY

Associate of Science: Sustainable Energy Technology
Credit Hours Required: 64
The degree is designed to prepare a student for a career in Sustainable Energy Technology. Students select either an environmental science or engineering track. The requirements of the degree include 16 core credits in sustainable energy, 12 core credits in the selected track and the standard 36 general education credits. In order to move on from each core class, the student must pass each core class with a C or better.

After taking the core SET courses, students will be equipped with the knowledge to take the Photovoltaic Installer – Level 1 (PVI1) certification test through the Electronics Technicians Association (ETA). Once the student passes this certification test, they become certified to be a residential Photovoltaic Installer.

Program Learning Outcomes (PLOs):

- Be well-versed in general knowledge about the Sustainable Energy Technologies industry including the common types of sustainable energies, sustainable energy activities and events, and career options.
- Demonstrate knowledge of how Sustainable Energy Technologies relate to Native American ways of the past, particularly Great Plains Indians, history and culture.
- Assist in community and youth programs working with different types of Sustainable Energy Technologies
- Communicate principles of Sustainable Energy Technology in general
- Demonstrate competency of determining the size of Sustainable Energy Technology units that can be incorporated into residential and commercial structures.
- Demonstrate mastery about selecting, evaluating, and purchasing different types of sustainable systems for homes. (i.e. solar powered units, small wind turbines, geothermal heating/cooling units).
- Communicate effectively, both orally and in writing, on Sustainable Energy Technology related subjects with a wide variety of Sustainable Energy Technology professionals and others in the industry.
- Possess the knowledge and skills required to assess and evaluate different types of Sustainable Energy Technologies.
- Be conversant about and able to recognize common problems in different types of Sustainable Energy Technologies.

Professional Course Requirements:
Core Requirement:

SET 101 Introduction to Sustainability	3
SET 102 Introduction to Wind	3
SET 110 Basic Electronics*	4
SET 201 Energy Efficiency	3
SET 121 Photo Voltaics	3
SET 122 Photo Voltaics	3
Total Semester Hours:	**19**

Electives:

Environmental Science Concentration (9 credits)

BIO 150 Biology I	4
BIO 151 Biology II	4
MA 105 Trigonometry	2
SOIL 210 Introduction to Soil Science	4

Engineering Concentration (9 credits)

MA 129 Elementary Linear Algebra	3
MA 165 Calculus I	4
MA 166 Calculus II	4
MA 265 Calculus III	4
ENGR 115 Introduction to Engineering	4
ENGR 201 Statics	3
ENGR 202 Dynamics	3
EE 206 Circuits I*	4
ME 223 Mechanics of Materials	3

*(*EE 206 Circuits I may replace SET 110 Electronics if Pre-Requisites are met)*

Total Semester Hours: 9

General Education Requirements:
See: General Education Requirement
(CHEM 121 Chemistry I and POLS 234 Basic Indian Law are directed elective under the Gen Ed Requirements; ENGR 115 Introduction to Engineering is a Technology Elective option)

Pre-Requisites:
*MA 103–College Algebra (Pre- Engineering/Mathematics/Science/4 yr. Nursing/Sustainable Management)
*NAS 113–Hidatsa, NAS 115–Mandan, NAS 117-Arikara
*EE 206-Circuits I (May replace SET 110 Electronics if Pre-Requisites are met.)
*SET 101- Prerequisite for SET102 and SET110
*SET 110 – Prerequisite for SET121 *SET 121 – Prerequisite for SET221

Total Semester Hours: 36

Cumulative Hours: 64

NUETA HIDATSA SAHNISH COLLEGE
ASSOCIATE OF SCIENCE DEGREE PROGRAM
SUSTAINABLE ENERGY TECHNOLOGY
2021-2022 (64 Credits)

STUDENT NAME: _____ID# _____

DATE PLAN BEGAN: _____**MAJOR**: _____

OTHER COLLEGES ATTENDED: _____

Term/Year	Course/Number	Course/Title	Credits	Grade
COLLEGE PREP COURSES *(As Advised)*				
F SP SU	_____			_____
F SP SU	_____			_____
GENERAL EDUCATION COURSES *(36 Credits required)*				
ENGLISH & SPEECH (9)				
F SP SU	_____	COMM 110	Fundamentals of Public Speaking	3	_____
F SP SU	_____	ENG 110	Composition I	3	_____
F SP SU	_____	ENG 120	Composition II	3	_____
FOUNDATIONS & FITNESS (2)				
F SP SU	_____	PSY 100	Psychology of Student Success	1	_____
F SP SU	_____	ASMT 200	Assessment of Student Learning	1	_____
HUMANITIES & NATIVE AMERICAN STUDIES (6)				
F SP SU	_____	NAS 201	History of TAT	3	_____
F SP SU	_____	NAS 113, 115 or 117	Hidatsa, Mandan, Arikara	3	_____
MATH, SCIENCE & TECHNOLOGY (11 as Advised)				
F SP SU	_____	MA 103 (or above)	College Algebra	4	_____
F SP SU	_____	CHEM 121	Chemistry I	4	_____
F SP SU	_____	CSCI 101	Introduction to Computers	3	_____
SOCIAL/BEHAVIORAL SCIENCE (6 as Advised)				
F SP SU	_____	POLS 234	Basic Indian Law	3	_____
F SP SU	_____	PSY 111 or SOC 110	Intro to Psych or Intro to Soc	3	_____
WELLNESS (2 as Advised)				
F SP SU	_____		1	_____
F SP SU	_____		1	_____
CORE REQUIREMENTS SUSTAINABLE MANAGEMENT TECHNOLOGIES *(16 Credits required) Field of Study*				
F SP SU	_____	SET 101	Intro to Sustainability	3	_____
F SP SU	_____	SET 102	Intro to Wind	3	_____
F SP SU	_____	SET 110	Basic Electronics	4	_____
F SP SU	_____	SET 201	Energy Efficiency	3	_____
F SP SU	_____	SET 121	Photo Voltaics I	3	_____
F SP SU	_____	SET 221	Photo Voltaics II	3	_____
ELECTIVES – ENVIRONEMENTAL SCIENCE CONCERNTRATION *(12 Credits required) field of study*				
F SP SU	_____	BIO 150	Biology I	4	
F SP SU	_____	BIO 151	Biology II	4	
F SP SU	_____	CHEM 122	General Chemistry II	4	
F SP SU	_____	MA 105	Trigonometry	2	_____
F SP SU	_____	SOIL 210	Introduction to Soil Science	4	_____
ELECTIVES - ENGINEERING CONCENTRATION *(6 Credits required)* **MATH** *(6 Credits required) field of study*				
F SP SU	_____	ENGR 115	Intro to Engineering	4	_____
F SP SU	_____	ENGR 201	Statics	3	_____
F SP SU	_____	ENGR 202	Dynamics	3	_____
F SP SU	_____	EE 206	Circuits I	4	_____
F SP SU	_____	MA 129	Elementary Linear Algebra	3	_____
F SP SU	_____	MA 165	Calculus I	4	_____
F SP SU	_____	MA 166	Calculus II	4	_____
F SP SU	_____	MA 265	Calculus III	4	_____
F SP SU	_____	ME 223	Mechanics of Materials	3	_____

WELDING TECHNOLOGY

Certificate of Completion: Welding Technology
Credit Hours Required: 33
The State of North Dakota is in dire need of professional welders. The NHSC welding program provides students with the basic welding skills needed for entry-level welding jobs and apprenticeship programs.

Program Learning Outcomes (PLOs):

- Synthesize all welding positions (flat, horizontal, vertical, overhead, pipe) with the six basic welding processes.
- Exhibit the fundamentals of welding/cutting processes and application.
- Read and interpret basic blueprints, welding symbols, and welding codes and specifications.
- Indicate the ability to compute basic math skills to include fractions, decimals and measurements.
- Illustrate proper welding safety procedures and communicate written safety policies.

College Prep Elective (Optional as advised):	
WELD 150 Introduction to Welding	(3)
General Education Requirement:	
GPE 104 OSHA 10 Safety	1
HPER 210 First Aid/CPR	1
SOC 100 E-Portfolio/Job Seeking Skills	1
NAS 099 Into to History of the TAT	1
Total Semester Hours:	**4**
Professional Course Requirement:	
WELD 151 Welding Theory I	4
WELD 152 Welding Theory II	4
WELD 153 Welding Lab I	6
WELD 154 Welding Lab II	6
WELD 155 Blueprint Reading for Welding	3
WELD 165 Blueprint Symbols for Welding	3
WELD 187 Types of Non-Destructive Testing	3
Total Semester Hours:	**29**
Cumulative Hours:	**33**

NUETA HIDATSA SAHNISH COLLEGE
CERTIFICATE PROGRAM
WELDING TECHNOLOGY
2021-2022 (33 Credits)

STUDENT NAME: _____ ID# _____

DATE PLAN BEGAN: _____ **MAJOR**: _____

OTHER COLLEGES ATTENDED: _____

Term/Year			Course/Number	Course/Title	Credits	Grade
COLLEGE PREP COURSES *(As Advised)*						
F	SP	SU	_____WELD 150	Introduction to Welding	3	_____
GENERAL EDUCATION COURSES *(4) Credits required*						
FOUNDATIONS & FITNESS (2)						
F	SP	SU	_____GPE 104	OSHA 10 Safety	1	_____
F	SP	SU	----------SOC 100	E-Portfolio/Job Seeking Skills	1	_____
WELLNESS (1)						
F	SP	SU	_____HPER 210	First Aid/CPR	1	_____
HUMANITIES & NATIVE AMERICAN STUDIES (1)						
F	SP	SU	_____NAS 099	Intro to History of the TAT	1	_____
CORE COURSES IN WELDING *(29) Credits required*						
F	SP	SU	_____WELD 151	Welding Theory I	4	_____
F	SP	SU	_____WELD 152	Welding Theory II	4	_____
F	SP	SU	_____WELD 153	Welding Lab I	6	_____
F	SP	SU	_____WELD 154	Welding Lab II	6	_____
F	SP	SU	_____WELD 155	Blueprint Reading for Welding	3	_____
F	SP	SU	_____WELD 165	Blueprint Symbols for Welding	3	_____
F	SP	SU	_____WELD 187	Non-Destructive Testing	3	_____

COURSE DESCRIPTIONS

ACCOUNTING (ACCT)

199 Special Topics
0.5-4 CREDITS
Subjects and credits will vary.

200 Accounting I
3 CREDITS
An introductory course in the fundamental procedures of accounting, including recording of transactions, account classification, book of original entry, special journals, closing procedures, and financial statements.

201 Accounting II
3 CREDITS
A continuation of Accounting I with more study applied to accounting for notes and interest, inventory and plant assets, payroll systems, partnerships, and corporations. Prerequisite: ACCT 200

203 Business Law I
3 CREDITS
This course includes contracts, agencies, and employment and negotiable instruments.

205 Cost Accounting
3 CREDITS
This course includes study applied to commonly used cost accounting systems, such as job order costing and process cost accounting. Where applicable, this course will provide a provision for graduation project. Prerequisite: ACCT200 or equivalent.

299 Special Topics**
0.5-4 CREDITS
Subjects and credits will vary.

**Course offered only as needed

ADDICTION STUDIES (ADS)

215 Ethical & Legal Issues in the Substance Abuse Profession
3 CREDITS
This course will explore the ethical and legal issues within the substance abuse field. The student will identify and discuss ethical and legal issues frequently encountered by treatment professionals.

220 Alcohol/Drug Helping Skills & Lab
4 CREDITS
Introduce the student to multicultural counseling skills and theory. The course will help in the development of basic communication and individual helping skills appropriate in the dynamics of dealing with abusers of alcohol and other drugs.

222 Alcohol & Drug Group Interaction & Lab
4 CREDITS
Introduces basic dynamic of counseling group interaction theory. The student will develops facilitative skills directed toward working with groups in the management of alcohol and drug abuse.

223 Alcohol and Drug Treatment Continuum
3 CREDITS
This course will emphasizes continuum of addiction treatment care. The student will explore Screening, Assessment, and Engagement, Treatment Planning, Collaboration, and Referral, Counseling, and Professional and Ethical Responsibility. The student will be introduced to International Credentialing & Reciprocity Certification & Reciprocity Consortium credentialing criteria for certification under the Great Plains Tribal Chairman's Health Board Behavioral Health & Recovery.

ANIMAL & RANGE SCIENCE (ARSC)

123 Feeds and Feeding
3 CREDITS
This course covers the principles of feeding livestock including digestive systems, nutrient requirements, nutrient characteristics, and sources utilized in the formulation of balanced rations. Lab Fee $10.00

155 Natural Horsemanship: Gaining Confidence & Respect
3 CREDITS
Students will gain an understanding of the basic concepts of natural horsemanship, first via groundwork, and then riding. Using a natural approach, the student will learn and implement a number of basic maneuvers to gain the horse's respect and confidence. These activities will increase the student's awareness of safety issues around horses and will increase the student's ability to read the horse's body language. The student will begin to understand the importance of feel, timing, and balance when working with horses. The student will learn safe and efficient saddle techniques and how to safely mount the horse. In the saddle, the student will learn the fundamentals of rein position and will practice control of the horse in the gaits of walk and trot. In addition to mastery of the theory and ideology of natural horsemanship, students must also demonstrate their competency and mastery of covered techniques by their correct application of skills sets with their horse both on the ground and under saddle. Students will demonstrate their understanding of course material via class participation, written field and research reports, and examinations. Lab Fee $25.00

161 Equine Business Management
3 CREDITS
Students will study the forms of business, income tax considerations, develop a business plan, insurance considerations, liability programs, records, hobby versus a business, agreements and contracts.

164 Equine Behavior, Ground Work and Safety
2 CREDITS
This class includes understanding mental capacity, motivation, and reactions of horses to different training techniques. Proper restraining procedures to protect the horse and handler are explored. Imprinting training for a foal is discussed. Natural Horsemanship groundwork will be demonstrated. A safety program will be designed for breeding or training operation. Lab Fee $25.00

210 Introduction to Equine Assisted Services
3 CREDITS
This course is designed as Part I as a two-course series ARSC210 – Intro to Equine Assisted Services and ARSC310 - Principles of Equine Assisted SErvices. This course is for participants to gain a introductory understanding of the Equine Assisted Services (EAS) field and its application within education, facilitation, coaching, mental health, and physical therapy fields. The course will address theories that helped inform and develop the practice of EAS, the history and development of the field, as well as considerations of elements of safe, effective, ethical practice. Students will become familiar with current research, supporting professional organizations, practitioners and programs relevant to their area of focus, as well as issues facing the field.

236 Introduction to Range Management
3 CREDITS
This course covers the principles of range management, which include plant identification, range evaluation, and range improvement.

252 Natural Horsemanship: Building a Relationship
3 CREDITS

In this course, the student will learn how to get the horse to respond at a new level. In ARSC 155, the goal was to develop respect and confidence. The student will develop more feel, better timing, and more harmony with the horse. The student will learn about impulsion and how to use reins less and the seat more while in the saddle. In addition to mastery of the theory and ideology of natural horsemanship, students must also demonstrate their competency and mastery of covered techniques by their correct application of skills sets with their horse, both on the ground and under saddle. If time permits, students will refine that respect and confidence to build a connection that will be tested by work at liberty (without a lead line and halter). Students will demonstrate their understanding of course material via class participation, written field and research reports, and examinations. Pre-Req: ARSC 155, Lab Fee $25.00

254 Natural Horsemanship: Harmony with your Horse I
3 CREDITS
The primary objective of this course will be to take the skills and knowledge learned in ARSC 155 and ARSC 252 and further develop these skills so that the horse and the human achieve positive reflexes. Students will progress to using a higher level of communication on the ground, and see more of the relationship from ground to saddle. In the saddle, students will get harmony with the horse and gain knowledge of a horse's self-carriage and impulsion. The student will learn impulsion programs and the different patterns of different gaits. Students will also learn about the importance of "seat connection" while riding a horse and the importance of rein and feet connection. In addition to mastery of the theory and ideology of natural horsemanship, students must also demonstrate their competency and mastery of covered techniques by their correct application of skills sets with their horse, both on the ground and under saddle. Students will demonstrate their understanding of course material via class participation, written field and research reports, and examinations. Pre-Req: ARSC155, Lab Fee $25.00

255 Natural Horsemanship: Harmony with your Horse II
3 CREDITS
Entering into this course, a student should have a thorough understanding of and have competent abilities both on the ground and in the saddle. The student will advance the skills, confidence, and respect gained on the ground by creating a stronger lead rope-to-feet connection. In the saddle, the horse and rider will develop more emotional collection, improving impulsion, and self-carriage in all three gaits. The increased harmony between ground connection developed through increased harmony between the horse and rider will prepare them for the next level of refinement. In addition to mastery of the theory and ideology of natural horsemanship, students must also demonstrate their competency and mastery of covered techniques by their correct application of skills sets with their horse, both on the ground and under saddle. Students will demonstrate their understanding of course material via class participation, written field and research reports, and examinations. Pre-Req: ARSC 254, Lab Fee $25.00

260 Introduction to Equine Studies
2 CREDITS
This course introduces the basic aspects of equine studies and general principles surrounding the horse industry.

261 Basic Equitation & Horsemanship
2 CREDITS
Basic grooming, saddling, bridling, mounting, ground work, correct riding position, and proper coordination of the riding aids will be addressed. Horse behavior will also be discussed throughout the course. Lab Fee $25.00

262 Equine Marketing
2 CREDITS

Students will study methods of marketing horses and horse-related activities. Methods of marketing a breeding program will be covered, as well as preparing and marketing the individual horse, horse businesses including training programs, equine assisted services, and equine events. Technology and current marketing methods, including graphic design, website development, and social media will be utilized. Additionally, fundamentals of previous classes will apply techniques towards hosting equine related events and preparing and marketing a horse for a sale.

265 Great Plains Indian Horsemanship
2 CREDITS
This course examines the importance of the horse in Native American culture in history and in the present. Students will learn traditional and contemporary Native relational horsemanship techniques. Lab Fee $25.00

297 Equine Training Techniques
3 CREDITS
This class is designed to teach the student the fundamentals of training a horse to be soft, supple and responsive. It will teach the student how to use the entire body to guide a horse and how to become part of the horse instead of just a passenger. Pre-requisite: ARSC 164 & 261. Lab Fee $25.00

299 Equine Practicum
1-3 CREDITS
This course provides instruction to individual equine studies students as needed in order to meet mid-term and final program requirements of horsemanship skill levels and the effective teaching of horsemanship concepts to youth. Pre-Req: ARSC 261 – Basic Horsemanship. Lab Fee $25.00

310 Principles of Equine Assisted Services
3 CREDITS
This course is designed for participants to gain a comprehensive understanding of the Equine Assisted Services (EAS) field and its application within education, facilitation, coaching, mental health, and physical therapy fields. The course will address theories that helped inform and develop the practice of EAS, the history and development of the field, as well as considerations of elements of safe, effective, ethical practice. Students will become familiar with current research, supporting professional organizations, practitioners and programs relevant to their area of focus, as well as issues facing the field.

311 Trauma-Focused Equine Assisted Services
3 CREDITS
This course is designed for participants to gain a comprehensive understanding of trauma and it's effect on brain function and how horses can play a role in healing from trauma. Students learn about Trauma-Focused integration into the Equine Services fields and its applications within education, facilitation, coaching, mental health and therapy. Lab Fee $25.00

360 Equine Nutrition & Care
3 CREDITS
This course focuses on basic equine physiology, anatomy, nutrition and care fundamentals while integrating concepts in an applied and practical manner. Lab Fee $25.00

361 Intermediate Equitation and Horsemanship
2 CREDITS
This course is a continuation of ARSC 261. Further emphasis will be placed on the development of the balanced seat and coordinated aids necessary to complete more advanced maneuvers. Horse behavior & safety will be addressed. Pre-requisite: ARSC 261. Lab Fee $25.00

362 Young Horse Starting & Development
3 CREDITS
Principles and application of techniques required to train a young horse to ride. Pre-requisite: ARSC 252, Lab Fee $25.00

365 Natural Horsemanship Methods
3 CREDITS
Students will learn to develop respect, confidence, and connection with their horse that will be tested by work at liberty (without a lead line and halter). Student will develop more feel, better timing, and more harmony with the horse. The student will learn about impulsion and how to use reins less and the seat more while in the saddle. In addition to mastery of the theory of natural horsemanship, students must also demonstrate their competency and mastery of covered techniques by their correct application of skills sets with their horse, both on the ground and under saddle. Pre-Req: ARSC 164 or ARSC 155, Lab Fee $25.00

411 Equine Assisted Services Practicum
1-3 CREDITS
In this practical teaching course, students will team teach for 6-12 weeks with an Equine Assisted Services certified instructor at a local program, assisting with lesson plans and program plan development, as well as instruction and evaluation of students. Lab Fee $25.00

ART (ART)

130 Drawing I
3 CREDITS
Study and practice is observational drawing focusing on accurate representation of observed subject matter. Perception, hand-eye control, measures and proportion, light and shadow, and design elements emphasized. Lab Fee $25.00

160 Painting
3 CREDITS
This course will give the students a chance to explore their art talents in the area of painting. Working with tempera, acrylic and oil paints, the students can expand their capabilities from mixing colors to producing landscapes, still life and action products in paint. Lab Fee $75.00

199 Special Topic
0.5-4 CREDITS
Subjects and credits will vary.

ASSESSMENT (ASMT)

200 Assessment of Student Learning
1 CREDIT
This culmination course provides non-Bachelor students with the opportunity to reflect on their courses and academic journey. It provides a platform to showcase their experiences and academic achievements to a panel of academic advisors, educators, and the campus community in the form of a presentation, project, paper, or similar assessment. Part of the course will focus on preparation for the future, including preparing for graduation by completing the Graduation Application, Graduation Survey, ACT WorkKeys, as well as career preparatory tasks: resume writing, interview skills, and professional communications related to individual career goals.

BIOLOGY (BIO)

111 Concepts of Biology
4 CREDITS
A survey of living things and their biological relationships. Provides general knowledge and cultural appreciation of contemporary biology. Includes laboratory and field activities. Offered as needed. Lab Fee $25.00

124 Environmental Science
4 CREDITS
A study of the relationship of humans to their environment, including major environmental

problems facing mankind today. Includes laboratory and field activities. Offered Spring.

150 General Biology I
4 CREDITS
Basic biological concepts include the fundamental processes of cells and life systems, genetics, and evolution. Includes laboratory. Offered Fall.

151 General Biology II
4 CREDITS
A continuation of Biology I with an emphasis on plant and animal classification and relationships. Includes laboratory. Prerequisite: BIO 150. Offered Spring.

199 Special Topics
0.5-4 CREDITS
Subjects and credits will vary. Offered as needed.

202 Intro to Microbiology
4 CREDITS
This course will familiarize students with classification, recognition, production, and control positive and negative impacts of all types of microorganisms. Includes laboratory. Prerequisite: BIO 150 or consent of instructor. Offered Spring. Lab Fee $25.00

206 Ethnobotany
4 CREDITS
Observation, identification and classification of native North Dakota plants with emphasis on structural, edible and medicinal uses by Tribal Nations past and present. Includes laboratory and field activities. Offered Fall of even-numbered years.

220 Anatomy and Physiology I
4 CREDITS
Course is a general survey of the human body systems and their functions including an introductory study of cells and tissues, chemical processes, anatomical terminology, and skeletal, muscle, and nervous systems and functions. Includes Laboratory. Prerequisite: BIO 150 or consent of instructor. Offered Fall semester.

221 Anatomy and Physiology II
4 CREDITS
Course is a general survey of the human body systems and their functions including an introductory study of the nervous systems, endocrine system, blood, immune, cardiovascular, respiratory, digestive, urinary, reproductive systems, and pregnancy and human development. Includes Laboratory. Prerequisite: BIO 220 or consent of instructor. Offered Spring Semester.

225 Research Methods
3 CREDITS
This course introduces basic physical and biological field measurements. Students will learn to use appropriate equipment to identify, quantify, and record resources in the field. Offered Fall.

230 Field Research
3 CREDITS
The student will identify a specific problem related to the field of his/her interest within Environmental Science. He/she will conduct a literature review, design a research project, and collect field data related to that problem. An oral presentation of the report is required. Prerequisite: BIO 225. Offered Spring.

297 BIO Environmental Science Internship
2 CREDITS
This course provides the student an opportunity to experience environmental science in the workplace in conjunction with their program of study. One semester hour of credit will be earned for each 45 contact hours of internship. The student's advisor will approve the location. Prerequisite: Must be completed during last two semesters of Environmental Science degree plan and must have consent of the instructor. Offered Spring.

299 Special Topics

0.5-4 CREDITS
Subjects and credits will vary. Offered as needed.

316 Global Climate Change
3 CREDITS
Overview of the basic concepts, issues and policies related to climate change comparing global issues with regional problems related problems and solutions. Pre-requisite: GEOL 100. Offered Spring of even-numbered years.

324 Ecology
3 CREDITS
Overview of the principles governing the interrelationship between plants, animals, and environments. Emphasis is on ecological communities throughout North America. Includes laboratory and field activities. Prerequisite: BIO 150 or consent of instructor. Offered Fall of even-numbered years.

331 Soil Ecology
3 CREDITS
This course engages students with the principles of soil-plant-animal interactions and their influences on environmental and agricultural issues of global significance (e.g., sustainable agriculture, global climate change, diversity conservation). Pre-requisite SOIL 210. Offered Spring of odd-numbered years.

350 Freshwater Ecology
4 CREDITS
Students will learn the biological, chemical, and physical characteristics of inland waters including origins, interrelationships and the effect of civilization. Topics covered will include rivers, lakes, reservoirs, and wetlands. Includes Laboratory. Prerequisites: Biology 150, Biology 151. Offered Summer of odd-numbered years.

370 Zoology
4 CREDITS
Students will be introduced to the natural history, classification, anatomy and physiology of the vertebrates and invertebrates. Includes methods of observing, identifying, and collecting local vertebrates and invertebrates. Includes laboratory. Pre-requisite: BIO 150 or by permission of the instructor. Offered Fall of odd-numbered years.

388 Native American Ecological Knowledge
3 CREDITS
This course is based mainly on the traditional knowledge of the Mandan, Hidatsa, and Arikara in determining our holistic relationship to our universe. The course will examine how we apply our knowledge of a networked universe to develop reciprocal relationships within our existence. Offered as needed.

420 Air and Water Quality
4 CREDITS
The course will acquaint students with sources, dispersion patterns, effects, and regulations of air and water pollutants. Sampling and analysis of air and water pollutants included during lab. Includes laboratory. Prerequisite: BIO 150 or consent of instructor. Offered Fall of even-numbered years. Lab Fee $25.00

421 Environmental Toxicology
3 CREDITS
In this course, students will understand and examine methods of perceiving the nature of the environment at the atomic and molecular level. Topics will include the makeup and contamination by anthropomorphic sources of the water, soil and air, environmental processes involving the fate or distribution of natural or manmade materials in the nutrient cycles, radiation, greenhouse gases, acid rain, and conversion of polymeric materials which resist degradation. Toxicology will be discussed in regards to the effects of those elements or compounds which threaten the diverse ecological systems as well as the poisonous effects on man. Exposure limits, chronic exposure, bioaccumulation, bioremediation,

detoxification and sustainable management of agriculture, industrial and energy development will also be addressed. Pre-requisites: BIO 124 – Environmental Science, CHEM 121 – Chemistry I and CHEM 122 – Chemistry II. Offered Spring of even-numbered years.

422 Environmental Law
3 CREDITS
A survey of the laws related to natural resources use and management at local, state, tribal and federal levels. Offered Fall of odd-numbered years.

431 Wildlife & Fisheries Conservation & Management
3 CREDITS
In this course, students will study the management of fish, wildlife, and other populations. Students will apply principles from various sub-disciplines of the biological and social sciences to current conservation problems. The course will examine topics such as predation, wildlife and ichthyological diseases, carrying capacity, and the history of wildlife conservation and management. Focus will be on species located on Fort Berthold, both historically and presently, as well as Mandan, Hidatsa, and Arikara cultural beliefs and practices. Pre-requisite: BIO 150, BIO 324, or consent of the instructor. Offered Summer of even-numbered years.

433 Wildlife Ecology
3 CREDITS
This course will examine the theory of population dynamics and the relationship between species and their resources. Population, community, and ecosystem levels of organization will be studied, as well as adaptations, key animal behavior concepts, and feeding. Focus will be on species located on Fort Berthold, both historically and presently, as well as Mandan, Hidatsa, and Arikara cultural beliefs and practices. Pre-requisite: BIO 150, BIO 324 or by permission of the instructor. Offered Fall of odd-numbered years.

444 Grassland Ecology
3 CREDITS
This course covers the plant, animal, and environmental factors which relate to management, productivity, and utilization of forage and grassland plants. Morphological and physiological characteristics of plants will form the basis for managing and understanding plant responses to management and environmental influences. Interactions between herbivores, Humans, and plants will be discussed. Pre-requisite: BIO 151 and SOIL 210. Offered Spring of odd-numbered years.

450 Mammalogy
3 CREDITS
This course will look at mammalian taxonomy, anatomy, ecology, behavioral adaptations, identification, distribution, conservation, and mammalian relationships to humanity. There will be an emphasis placed on learning both traditional and modern techniques that are used to study mammals. Common species to Fort Berthold, as well as those sacred to the Three Affiliated Tribes and other indigenous people will be explored. Pre-requisite: BIO 150, BIO 370 (Zoology) or consent of the instructor. Offered as needed.

460 TAT Environmental Issues, Beliefs, and Ethics
3 CREDITS
Understand and examine the methods of perceiving and strategizing environmental issues of concern for Mandan Hidatsa and Arikara Nation. This course will focus cultural beliefs and ethics concerning environmental issues as they relate to the current energy development and its environmental impact. Other general environmental topics related to natural resource development will also be addressed. As the issues are clarified the potential for energy and resource perspectives will allow for strategic planning for long term sustainable scenarios to be summarized. Collaboration and research will be done with student groups and

faculty projects to be developed in the class with the collaboration and review of environmental agencies and other university sources. Cultural input will be part of the collaborative efforts of this dynamic, interdisciplinary and problem solving science course. Pre-requisite: BIO 422 or by permission of the instructor. Offered Fall of even-numbered years.

493 Senior Research
3 CREDITS
This course involves students in experimental design, field or lab experimentation, data analysis, and conclusions. Prerequisite: Senior status and approval of advising instructor and Department Chairperson. Offered Spring of odd-numbered years.

**Course offered only as needed

BUSINESS ADMINISTRATION (BADM)

120 Introduction to Business
3 CREDITS
Acquaints the student with the American Capitalist model, as well as the systems used by other countries. This course will also provide an overview of all business-related activities.

170 Entrepreneurship – Journey into Business
3 CREDITS
This is an introductory course focusing on understanding the characteristics and role of the entrepreneur. This course is specifically focused on developing Native American entrepreneurs and is taught in the context of starting or running a business ownership in Indian Country. Students will develop an awareness of the opportunities for business ownership and develop some skills needed to effectively run a business. A capstone project will allow students to develop a business plan for a venture of their choosing.

199 Special Topics
0.5-4 CREDITS
Subjects and credits will vary.

201 Fundamentals of Marketing
3 CREDITS
This course is an introduction to distribution of goods and services and marketing policies.

202 Principles of Management
3 CREDITS
This course presents the fundamentals of the management process, focusing on the concepts and techniques basic to the manager, including planning, organizing, staffing, leading, and controlling.

205 Small Business Management
3 CREDITS
Focuses on the problems encountered by small business owners. Also provides a general guideline to small business start-up. Topics include financing, location, credit & collection, legal requirements, etc. Prerequisite: BADM 120

206 Writing a Business Plan
2 CREDITS
This course focuses on the business plan as a blueprint that entrepreneurs must develop to enhance the chances of launching their ventures successfully. Prerequisite: BADM 205

219 Entrepreneur Management – Growing a Business
3 CREDITS
Content includes how to plan, organize, manage, and grow an entrepreneurial business. Students will continue to build on skills learned in BADM 170, but with more of a focus on growing and improving an existing business. The course will review and enhance aspects of a business plan, such as financial projections, cash flow, marketing human

resource development, ethics, risk management, pricing, advertising, promotion, and more. Emphasis on Native American culture and heritage.

225 Human Behavior in Organizations
3 CREDITS
This course emphasizes individual and group behavior within an organizational structure.

291 Leadership Development
3 CREDITS
This course provides students with opportunities to engage in leadership development activities through membership in NHSC's American Indian Business Leaders chapter, a nationally chartered student leadership organization focusing on civic responsibility, academic excellence, social and cultural awareness, career development and personal growth through team building, mentoring and networking.

297 Business Internship
3 CREDITS
This course allows the student to experience their chosen field first hand through practical, hands-on training in a business related to marketing, management, the various business administrative fields, and casino/hotel/restaurant operations.
299 Special Topics
0.5-4 CREDITS
Subjects and credits will vary.

301 Fundamentals of Management
3 CREDITS
This course focuses on the nature of management, the evolution of management thought, strategic management and planning concepts, decision making and creative problem solving, and motivation and leadership in a changing environment.

321 Principles of Marketing
3 CREDITS
This course acquaints students with the principles, concepts and perspectives underlying marketing functions, including the conception, pricing, promotion, and distribution of products, services, and ideas, and the role of marketing in society.

**Course offered only as needed

BUSINESS INFORMATION TECHNOLOGY (BIT)

220 Management Information Systems
3 CREDITS
This course is designed to provide an introduction to systems and development concepts, technology acquisition, and various types of application software that have become prevalent or are emerging in modern organizations and society. Also introduces students to contemporary information systems and demonstrates how these systems are used throughout global organizations. The focus of this course is on the key components of information systems - people, software, hardware, data, and communication technology, and how these components can be integrated and managed to create competitive advantage.

BUSINESS, OFFICE, TECHNICAL EDUCATION (BOTE)

102 Keyboarding I
3 CREDITS
Emphasis is placed on the development of correct stroking techniques using the typewriter and/or microcomputer keyboard. Proficiency in the application of these skills will be used to complete simple letters, manuscripts, and tables. Lab Fee $20.00

147 MS Word

3 CREDITS
This course will provide hands-on experience using Word for Windows. Students will learn to create, edit, save, and print documents, along with advanced word processing features.

152 Keyboarding II
3 CREDITS
This course is designed for students who type less than 40 words per minute, but have a basic knowledge of the keyboard. Emphasis is placed on business letters, reports, tables, and speed development. Prerequisite: BOTE 102 or Equivalent. Lab Fee $20.00

188 Computerized Accounting
3 CREDITS
Accounting applications utilizing the computer. This course will include programs for journalizing, accounts receivable, accounts payable, inventory and payroll. Prerequisite: ACCT 200 or equivalent. Lab Fee $10.00

199 Special Topics
0.5-4 CREDITS
Subjects and credits will vary.

202 Keyboarding III
3 CREDITS
This course is devoted to the acquisition of superior skills in typing, proofreading, and speed development. Prerequisite: BOTE 152. Lab Fee $20.00

210 Business Communications
3 CREDITS
The study and practice of writing for results. All types of business correspondence are included. This includes letters, memorandums, reports, as well as preparation of resumes and job applications.

217 Records Management
2 CREDITS
This course will provide an introduction to the principles and practices of record management. The four basic filing systems: alphabetic, subject, numeric, and geographic will be covered.

247 Spreadsheet Applications
3 CREDITS
This course will provide students with hands-on experience using Excel for Windows. The student will be using Cengage/MindTap platform. Prerequisite: BOTE 102 or Equivalent. Lab Fee $10.00

257 MS Access
3 CREDITS
This course will include hands on operation of the computer, to introduce the student to the planning and designing of a data base system using software for data base management. Prerequisite: BOTE 102 or Equivalent. Lab Fee $10.00

275 Office Procedures
3 CREDITS
Office procedures is a course designed to help the student become familiar with the activities and duties required of an office worker of today. Students will learn procedures for good office communications, using reference materials, proofreading techniques, telephone usage, and mail and work procedures. Where applicable, this course will provide a provision for a student's graduation project. Lab Fee $10.00

299 Special Topics
0.5-4 CREDITS
Subjects and credits will vary.

**Course offered only as needed

CHEMISTRY (CHEM)

115 Introductory Chemistry
4 CREDITS

Introduces students to basic principles and concepts of chemistry. Topics include atomic theory, stoichiometry, bonding and nuclear chemistry. Includes laboratory. Prerequisite: MA 102 or consent of instructor. Offered Fall. Lab Fee $25.00

116 Introduction to Organic and Biochemistry
4 CREDITS
Study of carbon Chemistry. Functional groups, bonding and uses, with special emphasis on applications to living systems. Includes laboratory. Prerequisite: CHEM 115 or consent of instructor. Offered as needed.

121 Chemistry I
4 CREDITS
An introduction to the principles of chemistry, including scientific method and problem solving, atomic theory, elements and compounds, stoichiometry, and equations. Includes laboratory. Offered Fall.

122 Chemistry II
4 CREDITS
A continuation of Chemistry I with an emphasis on bonding and molecular structures, equilibrium, and thermodynamics. Introduces organic and biochemistry. Includes laboratory. Prerequisite: CHEM 121. Offered Spring.

199 Special Topic
0.5-4 CREDITS
Subjects and credits will vary. Offered as needed.

299 Special Topic
0.5-4 CREDITS
Subjects and credits will vary. Offered as needed.

480L Biochemistry Laboratory**
2 CREDITS
Laboratory class which covers major categories of biological compounds, anabolism and catabolism of macromolecules, enzyme kinetics, intermediary metabolism, and control mechanisms. Emphasis on human nutritional biochemical processes.

481 Biochemistry**
3 CREDITS
Study of major classes of biological compounds, anabolism and catabolism of macromolecules, enzyme kinetics, intermediary metabolism, and control mechanisms. Emphasis on human nutritional biochemical processes.

**Course offered only as needed

COMMUNICATION (COMM)

110 Fundamentals of Public Speaking
3 CREDITS
This course concentrates on important elements of interpersonal communications, as well as public speaking. Course work includes instruction in basic concepts and techniques, which enable students to design and effectively deliver a variety of speeches.

COMPUTER INFORMATION SYSTEMS (CIS)

115 Using the Internet
1 CREDIT
This course will teach the student how to get the most out of resources on the Internet. Search techniques, critical evaluation of web information and basic web page design will be discussed.

COMPUTER SCIENCE (CSCI)

101 Introduction to Computers
3 CREDITS
This course is an essential study of computer science to understand the architecture of personal computers as well as the different applications for different hardware and software components. *Prerequisite: NA; Offered: Spring & Fall*

101 Introduction to Computers
3 CREDITS
A basic study of computer science. Students will understand the architecture of personal computers as well as the various different applications for different hardware and software components.

102 Basic Computer and Hardware
4 CREDITS
This course provides the basic knowledge and skills necessary for a career in PC support. They will learn the standard features of PC hardware found on desktop and laptop computers. Course topics include all parts of computer and tools, about motherboard, supporting processor, hardware, storage device, and upgrading memory. Students will demonstrate their understanding of the course materials via class participation, lab work, and examination. Prerequisite: CSCI 101/Instructor's consent; Offered: Fall

103 Networking and Troubleshooting
4 CREDITS
This course provides the knowledge of network hardware, protocols, and how to build a network, setting up a network and troubleshoot and also the printing process, installation, and maintenance of common printer types. The course also covers the network setup, security, and synchronization of mobile devices. The student will demonstrate their understanding of the course materials via class participation, lab work, and examination. Prerequisite: CSCI 102; Offered: Fall

104 Operating System and Technologies
4 CREDITS
This course provides the knowledge of the features, tools, and installation options of Windows and other operating systems. They are also able to identify the components of Windows Operating systems networking. The student will demonstrate their understanding of the course materials via class participation, lab work, and examination. Prerequisite: CSCI 103; Offered: Spring

105 Software Troubleshooting and Security
4 CREDITS
The primary objective of this course is to apply the skills from the prerequisite courses and installation, configuration, preventative maintenance of PC hardware components, and the basics of networking, security, virtualization, desktop imaging, and deployment. The students gain the knowledge to describe common security threats and security-breach prevention methods. They will also be able to describe the diagnostic and troubleshooting processes for hardware, software, networking, and security issues. Prerequisite: CSCI 104; Offered: Spring

160 Computer Science I
4 CREDITS
This course introduces core programming basics—including data types, control structures, algorithm development, and program design with functions—via the Python programming language. Prerequisite: CSCI 101; Offered: Fall.

161 Computer Science II
4 CREDITS
It's a continuation of CSCI 160 that emphasizes more advanced programming language features and basic data structures. Prerequisite: CSCI160; Offered: Spring.

213 Modern Software Development
3 CREDITS
This course introduces a breadth course on the software engineering process. Basic concepts are reviewed, and some methods for each type of

activity are explained and experienced. Prerequisite: CSCI 161 or instructor consent; Offered: Fall.

CRIMINAL JUSTICE (CJ)

199 Special Topics
0.5-4 CREDITS
Subjects and credits will vary.

201 Introduction to Criminal Justice
3 CREDITS
An introduction to the criminal justice system, emphasizing the "system", its legal actors and its political constraints. Examines legislative law making, law enforcement, prosecution, the courts and corrections. Highlights contemporary issues and landmark cases. Special emphasis will be on minority group perspectives, cultural and economic problems.

299 Special Topics
0.5-4 CREDITS
Subjects and credits will vary.

**Course offered only as needed

ECONOMICS (ECON)

199 Special Topics
0.5-4 CREDITS
Subjects and credits will vary.

201 Micro-Economics
3 CREDITS
Micro-principles of supply and demand, as well as resource allocations in an enterprise system, developed and applied to the distribution of income, problems of capitalist system, technology, growth, and the world economy.

202 Macro-Economics
3 CREDITS
Fundamental principles of Macro-Economics and their present-day application, including the scope of economics, analysis of supply and demand, monetary policy, and economic stability.

299 Special Topics
0.5-4 CREDITS
Subjects and credits will vary.

**Course offered only as needed

EARLY CHILDHOOD EDUCATION (EC)

210 Introduction to Early Childhood Education
3 CREDITS
This course investigates the theories that influence the field of early childhood education. Developmentally appropriate methods and teaching materials will be covered, as well as the need for a variety of strategies that aid in the children's physical, social, emotional, aesthetic, and cognitive development. The course content will emphasize cultural diversity, especially that of the Mandan, Hidatsa, and Arikara tribes. Emphasis will also be done on the requirement of special needs children. Offered Spring and Fall.

211 Observation and Assessment
3 CREDITS
This course is designed to acquaint the students with a variety of ways of observing, recording, and analyzing the behavior and development of children. Assessment of children will be analyzed by looking at a variety of assessment activities that can be done with children. There will be a minimum of eight hours of field experience in order to practice observation and assessment. Prerequisites: EC 210.

213 Young Children's Language and Emerging Literacy
3 CREDITS
This course investigates both typical and atypical development of language and thought in children 0-8, as a basis for understanding working with young children in educational settings, and addresses ways early childhood professionals can help young children to develop fluency, vocabulary, phonemic awareness, comprehension, language development, and emerging literacy.

220 Early Childhood Development: Pre-birth through age eight
3 CREDITS
This course is a study of human growth and development from conception to age eight and will provide students with the foundation for becoming competent early childhood professionals. Emotional, social intellectual, cultural, language and physical development norms will be addressed. The student will gain knowledge and understanding of the stages of child development and of the variation of development among children. Observations of young children are required.

222 Program Administration
3 CREDITS
This course provides information on child care programs including: record-keeping, writing policies and procedures, licensing, observing and recording children's development, budgeting issues, and staffing patterns. Interpersonal relationships will be a major focus of this course. Cultural diversity and special needs will be address in the course content.

233 Curriculum, Instruction and Learning Environments
3 CREDITS
This course is a study of various curriculum philosophies and needs, as well as procedures, techniques, and methods deemed appropriate for use in early education curriculum planning. Culturally relevant curriculum planned and designed for the "whole" child in the areas of physical, social, cognitive, and emotional development will be emphasized.

234 Learning and Play
3 CREDITS
This course will address: theories about play development and learning as applied to young children; and environmental design that is physically, socially, intellectually, and emotionally safe and healthy.

236 Positive Child Guidance
3 CREDITS
This course explores principles of guidance and the development of self-discipline in children with emphasis on social and interpersonal behavior. Positive means to support children's social and emotional development, as well as strategies to establish productive relationships with families will be emphasized. Cultural diversity, especially as it pertains to Mandan, Hidatsa and Arikara, and special needs will be addressed in the course content.

238 Home, School, and Community
3 CREDITS
This course focuses on responsibilities of early childhoold professionals and caregivers to children, their families, and their communities. The course content will emphasize cultural diversity, especially that of the Mandan, Hidatsa, and Arikara, as well as special needs children.

290 Pre-Professional Experience
1 CREDIT
Students in this class will participate in an early field experience in early childhood setting to gain practical experience in areas such as: observing teaching; participating in small instructional groups, and other activities assigned by the cooperating teacher.

295 Practicum

2 CREDITS
This course will provide classroom orientation on what is expected of the students in their practicum; then the students will be placed with teachers/caregivers in childcare centers/classrooms serving children ages 0 to six years old. Students will spend a total of 30 hours in the centers/classrooms. Work hours will be arranged by the teacher/caregiver and the student. The instructor will bring the class together at midterm to check their progress and share experiences. The teacher/caregiver will submit oral and written reports regarding student progress to the instructor. Periodic student-instructor conferences are required to discuss progress or problems. Students will submit a log and a journal of their experiences. Offered as needed. Prerequisite: EC 290 Pre-Professional Experience

299 Special Topics**
0.5-4 CREDITS
Subjects and credits will vary.

**Course offered only as needed

EDUCATION (EDU)

199 Special Topics
0.5-4 CREDITS
Subjects and credits will vary.

210 Introduction to Exceptional Children
3 CREDITS
This orientation course surveys the identification and characteristics of exceptional children. It covers the educational responsibilities of teachers according to Public law 94-142 (PL 94-142). It reviews individualized education plans and critical education problem solving approaches. Appropriate special education methods and materials will be covered. The course emphasizes cultural diversity, especially that of the Mandan, Hidatsa, and Arikara tribes.

222 Technology for Teachers
3 CREDITS
The major emphasis of the course will be the development of computer skills for classroom teachers. Topics include applications for lesson plans, technology integration in the curriculum, record keeping, graphics, the Internet, and also software and web page evaluations.

232 Classroom Management & Learning Environments
3 CREDITS
This course explores the methods and techniques to ensure an educational setting enhances learning. Management and discipline plans will be constructed and analyzed.

238 Children's Literature
3 CREDITS
This course is an introductory study of the main genres of children's literature in the first six grades. Students will analyze their personal preferences of reading for children. Prerequisite: ENG 110.

250 Introduction to Education
3 CREDITS
This course introduces teaching as a profession. It includes the social, psychological, historical, and philosophical foundations of education. Students will begin to design a personal philosophy of education.

273 Physical Science for Elementary Teachers
4 CREDITS
Physical Science for elementary teachers will introduce concepts of Physics (Motion, Heat, Light, Sound, Pressure, Aerodynamics, Magnetism, and Electricity). The course is covers the laws, theories, and facts of science and to teach science to grade school children. Classroom experiments, demonstrations, classroom management, appropriate assessment techniques, and

collaboration methods in the science room will be addressed.

297 Middle School Field Experience
2 CREDITS
Students in this class will participate in a field experience in a middle school classroom to gain practical experience in areas such as: observing teaching and adolescent behavior; participating in small instructional groups; correcting assignments; assisting with record-keeping; assisting with technology; and other activities assigned by the cooperating teacher. Offered Spring of even-numbered years.

298 Pre-Professional Experience
1 CREDIT
Students in this class will participate in an early field experience in elementary or secondary schools to gain practical observation experience in areas such as: observing teaching; participating in small instructional groups; correcting assignments; record-keeping; educational technology; and other activities conducted by the teacher.

299 Language and Curriculum Development
3 CREDITS
Goals for this class are: 1. Participate in a total immersion experience using the Hidatsa, Mandan, and Arikara culture and language; 2. Review culturally-appropriate literature; 3. Develop constructivist teaching lessons that integrate language and culture into the curriculum. Offered as needed.

300 Elementary Practicum I
1 CREDIT
This course is designed to give students practical experience in the classroom. Students in this class will participate in an early field experience in elementary or secondary schools to gain practical experience in areas such as: observing teaching; participating in small instructional groups; correcting assignments; assisting with record-keeping; assisting with technology; and other activities assigned by the cooperating teacher.

305 Diversity & Multicultural Education
3 CREDITS
This course examines the historical development of American ethnic and cultural diversity. It will help students better understand children in culturally diverse classrooms as well as preparing them to teach about cultural diversity.

320 Curriculum Instruction & Assessment
2 CREDITS
A general curriculum development and instruction course designed for the undergraduate pre-service teacher across all disciplines. It introduces and provides practice in planning, multiple instructional strategies, and methods of formal and informal assessment.

324 Creative Arts for Elementary Teachers
3 CREDITS
This course will provide teachers with Creative Arts content knowledge as well as a variety of approaches to instruct children in the classroom. The educational success of our children depends on giving them imagination, creativity, and a sense of expression as well as academic competencies. Areas to be covered include artistic literacy, dance, music, theater, visual arts, and student assessment.

392 Foundations, Issues, and Trends
2 CREDITS
Students will study current issues and trends in education and the political and social conflicts which affect the teaching profession and progress in American education. Students will also be required to develop a personal philosophy of education and learn how an effective school philosophy can guide school as they develop their educational goals.

400 Elementary Practicum II
1 CREDIT

This course is designed to be taken concurrently with the methods courses. Students will work with children in the areas of science, math, reading, social studies, language arts, physical education, and art under the teachers' supervision.

402 Teaching Reading in the Content Area/Diagnostic Reading
3 CREDITS
This course is a study of teaching reading at the elementary and middle school levels as well as learning about current approaches to assessment and methods to assist students who are having difficulty with reading and writing. The application of reading methods and strategies in literature and content area reading for different purposes will be emphasized, as well as application of strategies and study skills, and use of a variety of performance assessments.

411 Educational Assessment & Seminar
1 CREDIT
This course will teach candidates how to assess students and how to document their progress through data collection and ePortfolio work. Candidates will also meet regularly to discuss their practical experiences in the classroom, to complete candidate disposition and self-assessments, and to strategize regarding educational issues. Students taking this course will also be reviewing and applying the test taking skills needed to score at or above the State of North Dakota cut scores for the Praxis I (Pre-Professional Skills Test). Testing formats, test taking skills, and practice tests will be examined. (Co-Req: Practicum I) (Fall – Sophmore Year).

412 Educational Assessment & Seminar
1 CREDIT
This course will teach candidates how to assess students and how to document their progress through data collection and ePortfolio work. Candidates will also meet regularly to discuss their practical experiences in the classroom, to complete candidate disposition and self-assessments, and to strategize regarding educational issues. Students taking this course will also be reviewing and applying the test taking skills needed to score at or above the State of North Dakota cut scores for the Praxis II (Principles of Teaching and Learning and Curriculum, Instruction, and Assessment Tests). (Spring or Fall Junior Year) (Co-Requisite: EDU 400 Practicum II).

421 Math Methods & Materials
3 CREDITS
This course is a survey of current elementary and middle school math teaching strategies and math programs with an integration of theory and practice. Students explore how to facilitate the learning of mathematics in a constructivist environment through the use of investigations, manipulatives, technology, and holistic forms of assessment.

422 Language Arts Methods & Materials
2 CREDITS
This course includes curriculum, theory, and methodology in language arts. Students will design constructivist curriculum based upon philosophies of instruction in reading, writing, listening, speaking, and thinking.

423 Reading Methods & Materials
3 CREDITS
This course is designed to examine effective research based instructional practices used to teach reading in the elementary and middle school curriculum. Students will learn different approaches to reading and writing in the classroom, with an emphasis on constructivism, to effectively meet learners' needs.

424 Social Studies Methods & Materials
2 CREDITS
This course is a survey of elementary and middle school social studies teaching strategies and social studies programs with an emphasis on the integration of theory and practice. It is designed to help the student to understand and analyze the

different modes of teaching social studies and to gain the competencies necessary for organizing a unit in social studies. Constructivist methods will be emphasized.

426 Science Methods & Materials
3 CREDITS
This course is a survey of current elementary and middle school science teaching strategies and science programs with an emphasis on the integration of theory, practice, and constructivism. Offered Spring of odd-numbered years.

450 Middle School Curriculum & Philosophy
2 CREDITS
This course acquaints students with the philosophy of middle school education and current practices in middle school curriculum, instruction, and assessment. Offered as needed.

451 Middle School Teaching Methods
3 CREDITS
This course is designed to develop the skills and teaching strategies to implement a middle school program. These items will be covered: thematic curriculum development, advising, working with parents, constructivism, and assessment. Offered as needed.

492 Student Teaching
12 CREDITS
This course provides students with the opportunity to assume the role of a classroom teacher in an educational setting under the supervision of a cooperating teacher and the Teacher Education Department. This is an opportunity for students to create constructivist lesson plans, utilize them, and assess outcomes using the skills they have learned. (Last semester of senior year)

498 Supervision of Student Teachers**
1 CREDIT
This course prepares and trains classroom teachers to work with student teachers. It is offered to teachers who have their own classrooms who are looking to supervise and guide undergraduate student teachers. Offered as needed.

**Course offered only as needed

ENGLISH (ENG)

012 Fundamentals of Reading and Writing
3 CREDITS
This course teaches reading and writing as an integrated process through examples, exercises, course discussions and peer conferencing. The course will demonstrate the wholeness and close relationship of reading and writing and applying that knowledge to both reading and writing.

110 Composition I
3 CREDITS
This course concentrates on the whole process of writing, which involves three essential stages: Pre-writing, writing and revision. Course work develops and reinforces this writing method. Expository writing is emphasized through essay and research paper format.

120 Composition II
3 CREDITS
This course is designed to apply to principles of the whole process of writing to college level writing requirements. Concentration is placed on specific kinds of college writing skills necessary to further their academic work. These include essay writing, report writing, as well as term and research paper writing. Vocabulary is emphasized. Self-paced, individualized computer aid is required to introduce and reinforce grammatical concepts. Prerequisite: ENG 110

211 Introduction to Creative Writing
3 CREDITS

This course concentrates on important element of the creative writing process. Students will investigate three types of creative writing: short story, poetry and drama through the use of professionally written examples. Students will then creatively write their own short stories, poems and one-act plays.

199 Special Topics
0.5-4 CREDITS
Subjects and credits will vary.

****221 Introduction to Drama**
3 CREDITS
The aim of this basic course is dramatic arts is tap and develop students' ability to express themselves through mime, improvisation, monologue, and role-play. This course includes a survey of play production and playwrights. Lab Fee $20.00

265 Native American Literature
3 CREDITS
This course allows students to survey a wide range of Native American Literature, beginning with the oral tradition of myths and legends, transitional literature to modern short stories, poetry and novels. Course work will include discussion of readings designed to teach standard genres of literature. It will focus largely on student experience and response to the literature.

299 Special Topics
0.5-4 CREDITS
Subjects and credits will vary.

452 Scientific Literature & Writing
3 CREDITS
This course is designed to prepare students to objectively read, examine, and interpret scientific research literature. Students will examine all aspects of information literacy as it applies to their field of study. Students will also learn the methodology of writing research papers for publication. Pre-requisites: MATH 210-Statistics, BIO 150-Biology I, BIO 225-Research Methods, BIO 297-Environmental Science Internship or consent of instructor. Offered Spring of odd-numbered years.

**Course offered only as needed

GEOGRAPHY (GEOG)

125 Fundamentals of the Global Positioning System (GPS), Geographical Information System (GIS), and Remote Sensing (RS)
3 CREDITS
This course is designed to be an introductory overview of the global positioning system (GPS), geographic information system (GIS), and remote sensing (RS). A hands-on approach is central to the processes employed. Multi-spectral data manipulation will be introduced. Offered Spring of even-numbered years.

150 Introduction to Geography
3 CREDITS
Major geographic themes will be studied and applied including the physical environment and regional analysis.
199 Special Topics
0.5-4 CREDITS
Subjects and credits will vary. Offered as needed.

299 Special Topics
0.5-4 CREDITS
Subjects and credits will vary. Offered as needed.
**Course offered only as needed

GEOLOGY (GEOL)

100 Earth Science
4 CREDITS
This course is a study of the Earth, its internal and external processes, atmosphere and natural resources. Lab Fee $25.00

199 Special Topic
0.5-4 CREDITS
Subjects and credits will vary. Offered as needed.

****210 Astronomy**
3 CREDITS
A study of the universe that begins with the Earth as a planet, the planets, and satellites of our solar system, and moves out through stellar astronomy to galaxies and into the very fabric of the universe. Includes laboratory. Offered as needed. Offered Spring of even-numbered years. Lab Fee $25.00

299 Special Topics
0.5-4 CREDITS
Subjects and credits will vary. Offered as needed.

**Course offered only as needed

GRAPHIC ARTS TECHNOLOGY (GAT)

103 Electronic Imaging I
3 CREDITS
At the completion of this course the student should have a basic knowledge in using the Adobe Photoshop software. They will learn how to manipulate photographs using various Photoshop techniques. Includes laboratory. Lab Fee $25.00

109 Electronic Imaging II
3 CREDITS
This is a continuation from **GAT 103 Digital Imaging** course. At the completion of this course the student should have advanced knowledge in using the Adobe Photoshop CS software to manipulate Photographs using various Photoshop techniques. Includes Lab. Pre-requisites: GAT 103

HEALTH, PHYSICAL EDUCATION, AND RECREATION (HPER)

101 Walking
1 CREDIT
This course offers instruction, practice and participation in the basic skills, body mechanics and terminology associated with walking. This course is also designed to improve the student's knowledge of healthy living and exercise practices so that they can incorporate what they learn into their lifelong journey of health and wellness.

****102 Fitness I**
1 CREDIT
This course offers instruction, practice and participation in the basic skills, body mechanics and terminology associated with fitness activities.

****103 Archery I**
1 CREDIT
This course offers instruction, practice and participation in the basic skills, body mechanics and terminology associated with archery.

****104 Advanced Fitness**
1 CREDIT
This course offers instruction, practice and participation in the basic skills, body mechanics and terminology associated with fitness activities at a higher-impact level.

****105 Aerobics**
1 CREDIT
This course offers instruction, practice and participation in the basic skills, body mechanics and terminology associated with aerobic exercise.

****115 Golf**
1 CREDIT

This course offers instruction, practice and participation in the basic skills, body mechanics and terminology associated with Golf.

****143 Fitness for Equestrians**
1 CREDIT
This course enhances the overall physical, mental, and spiritual fitness of the Equestrian. The ability to ride and handle horses takes strength, balance, flexibility, and stamina; mental and emotional control; along with spiritual grounding. Topics covered will include centered riding; athletic training; sports mental training; and physical, emotional, and spiritual wellness topics.

150 Advanced Basketball
1 CREDIT
This course offers instruction, practice and participation in the basic skills, body mechanics and terminology associated with basketball.

199 Special Topic
1 CREDIT
Subjects and credits will vary.

210 First Aid/CPR
1 CREDIT
This course will teach the student the principles of cardiopulmonary resuscitation, automatic electronic defibrillation, and first aid. This will allow the students to be able to recognize emergency situations, provide immediate first aid or choking interventions, and implement the steps of CPR until emergency personnel arrive.

225 Elementary Health and Physical Education Activities and Methods
3 CREDITS
This course provides information and skills to implement coordinated health education in the elementary grades. It provides support and effective instruction for Elementary physical instruction. Offered every Spring.

299 Special Topics
0.5-4 CREDITS
Subjects and credits will vary.

**Course offered only as needed

HISTORY (HIST)

103 United States History I
3 CREDITS
A survey of early American history, including old world background, transformation of British institutions into American institutions, the Revolutionary War period, the establishment of the Union, and the Civil War period up until reconstruction.

104 United States History II
3 CREDITS
This course offers a survey of the last century of American history from Reconstruction to the present.

220 North Dakota History
3 CREDITS
The study of the history of North Dakota is to examine the peoples, the events and the landscapes of the state. The history of North Dakota will allow for more than a study of names, dates, facts and figures that relate to the 71,000 square miles of the territory on the Northern Great Plains. This course will encourage the placing of the region in historical context, the politics of immigration, historical frameworks, thematic structures, economic dependency and possible directions for the future of the state. Emphasis on North Dakota tribes, and specifically the Nueta, Hidatsa, and Sahnish people.

199 Special Topics
0.5-4 CREDITS
Subjects and credits will vary.

299 Special Topics
0.5-4 CREDITS
Subjects and credits will vary.

**Course offered only as needed

HORTICULTURE (HORT)

HORT 111 Organic Gardening I (Summer Session Only)
3 CREDITS
This course will introduce students to a method of food production in which the growers work in harmony with nature, free from chemical application. It will enable them to explore the use of organic methods of plant production not only for food but also for pleasure. Lecture and laboratory. Lab Fee $10.00

HORT 112 Organic Gardening II (Summer Session Only)
3 CREDITS
This course will demonstrate principles of organic garden production. Special emphasis will be devoted to plant nutrition, applied cultural gardening practices, integrated pest management, fruit and vegetable harvesting and methods of food preservation. Lecture and laboratory. Lab Fee $10.00

HUMANITIES (HUM)

255 Native American Children's Literature
3 CREDITS
This course is a study of literature which includes stories, poetry, myths and legends about Native Americans. The course will include Native American tribes in the United States.

MATHEMATICS (MA)

All students enrolling in their first NHSC math course are required to take a math placement exam during registration.

011 Statway Fundamentals
1 CREDIT
This course is a co-requisite course for MA099 - Statway I Statistics for those needing additional foundational mathematics supports. The course provides basic mathematic fundamentals including operations, fractions, decimals, and percentages. Co-Req: MA099.

012 Foundations of Mathematics
3 CREDITS
Individual math instruction, covering basic computation of whole numbers, fractions, decimals and percentages. Lab Fee $25.00

099 Statway I Statistics
4 CREDITS
This course is the first in a two-semester sequence designed to guide students in completing the topics covered in both beginning algebra and college-level introductory statistics in one year. The two semester sequence is useful to students whose academic program is satisfied by an introductory statistics course. Statway Statistics I covers sampling methods, descriptive statistics, graphing methods, linear and exponential models, and an introduction to probability, as well as necessary topics from beginning algebra. The curriculum is based on student collaborative group learning. Students must commit to completing Math 099 in the first semester and Math 209 (Statway Statistics II) in the following semester. Lab Fee $25.00

100 Statway STEM Algebra Bridge
1 CREDIT

This course is a co-requisite course for MA 209 - Statway II Statistics for students that desire to take College Algebra after the completion of Statway I & II. The course provides necessary bridge materials needed for students to be prepared to take College Algebra the following semester. Co-Req: MA209.

101 Elementary Algebra
3 CREDITS
Designed for students with little or no mathematics background. Basic arithmetic, operations with integers, fundamental algebra operations, factoring, linear equations, exponents and radicals. Prerequisite: 012 Foundations of Mathematics (Grade of C or higher) or Placement. Lab Fee $25.00

102 Intermediate Algebra
3 CREDITS
Introduction to sets, properties of real numbers, algebraic expressions, linear equations, quadratic equations, graphing, and use of calculators. Prerequisite: MA 101 (Grade of C or higher) or Placement. Lab Fee $25.00

103 College Algebra
4 CREDITS
Equations and inequalities, functions and graphs, polynomial and rational functions, exponential and logarithmic functions, systems of equations. Prerequisite: MA 102 (Grade of C or higher) or Placement. Lab Fee $25.00

104 Finite Mathematics
4 CREDITS
Functions, matrices, linear systems, linear programming, probability and statistics, mathematics of finance and logic. Prerequisite: MA 102 (Grade of C or higher) or Placement. Lab Fee $25.00

105 Trigonometry
2 CREDITS
Functions of the general angles, solutions of trigonometric equations and triangles, graphs of the functions, inverse function, and identities. Prerequisite: MA 103 (Grade of C or higher) or Placement. Lab Fee $25.00

107 Pre-Calculus
4 CREDITS
An introductory overview to differential and integral calculus, theory of equations, limits, series, sequences and analytic geometry. Prerequisite: MA 102 or equivalent (Grade of C or higher) or Placement. Lab Fee $25.00

129 Basic Linear Algebra
3 CREDITS
Systems of linear equations, matrices, determinants, vector spaces, lines and planes in space, linear transformations, eigenvalues and eigenvectors. Prereq: MATH 105 or MATH 107. Lab Fee $25.00

165 Calculus I
4 CREDITS
Limits, continuity, differentiation, intermediate value and mean value theorem, indefinite integrals, and definite integrals. Prerequisite: MA 105/107 (Grade of C or higher) or Placement. Lab Fee $25.00

166 Calculus II
4 CREDITS
Application of integrations, methods of integrations, sequences, and series. Prerequisite: MA 165 (Grade of C or higher). Lab Fee $25.00

208 Discrete Mathematics
4 CREDITS
Set theory, functions, relations, graph theory, Boolean algebra, logic, induction and difference equations. Prerequisite: MA 103 (Grade of C or higher). Lab Fee $25.00

209 Statway II Statistics
4 CREDITS

This course is the second in a two-semester sequence designed to guide students in completing the topics covered in both beginning algebra and college-level introductory statistics in one year. The two semester sequence is useful to students whose academic program is satisfied by an introductory statistics course. Statway Statistics II covers sampling distributions, Central Limit Theorems, confidence intervals, and hypothesis testing for population proportions, population means, and means of paired differences. Chi-square tests for one and two way tables and ANOVA methods are also covered, as well as necessary topics from beginning algebra. The curriculum is based on student collaborative group learning. Students must have completed MA 099 in a previous semester in order to register for MA 209. Lab Fee $25.00 *(Students desiring to take MA103 – College Algebra the next semester should also take Co-Req: MA100 Statway STEM Algebra Bridge)*

210 Elementary Statistics
4 CREDITS
Descriptive statistics, sampling statistical methods of gathering, presenting, and analyzing data. Topics include basic concepts in measuring, scaling, binomial and normal distribution, hypothesis testing and regression. Prerequisites: MA 103/104 (Grade of C or higher). Lab Fee $25.00

227 Applied Linear Algebra
3 CREDITS
Matrices, vectors, systems of linear equations and inequalities, mappings, determinants, and linear programming. Prerequisite: MA 165 (Grade of C or higher). Lab Fee $25.00

265 Calculus III
4 CREDITS
Multivariate and vector calculus including partial derivatives, multiple integration and its applications, line and surface integrals, Green's Theorem and Stoke's Theorem. Prerequisite: MA 166 (Grade C or higher). Lab Fee $25.00

266 Differential Equations
3 CREDITS
Solution of elementary differential equations by elementary techniques, Laplace transforms, systems of equations, matrix methods, numerical techniques, and applications. Prerequisite: Math 265 (Grade C or higher). Lab Fee $25.00

277 Math for Elementary School Teachers
3 CREDITS
This class is designed specifically for elementary education. Topics include problem solving, number systems, number theory and reasoning, computer software, calculators, and manipulative usage Prerequisite: MA 102 or equivalent. Lab Fee $25.00

280 College Geometry
3 CREDITS
Geometry is the foundation for our mathematical interpretation of the world. We will be exploring the fundamentals of geometry, beginning with axioms and proceeding from there. We will also be looking at the logical structure of theorems and proofs, and experimenting with different axioms. Our main topics include finite, transformational, congruence, inequalities, parallelism, similarity, area, circle, and solid geometry. Prerequisite: MA 103/104. Lab Fee $25.00

377 Geometry for Elementary Teachers
3 CREDITS
This course investigates experimental and inductive discovery in building geometric concepts at the elementary school level. Prerequisite: MA 102 or equivalent. Lab Fee $25.00

NATIVE AMERICAN STUDIES (NAS)

099 Introduction to History of the Three Affiliated Tribes

1 CREDIT
This course will provide a general overview of the Mandan, Hidatsa, and Arikara tribes.
No pre-requisites.

101 Introduction to Native American Studies
3 CREDITS
This course will provide a general overview of the various tribes throughout the United States. The course will include the study of locations, language groups, cultural groups, cultural practices, and similarities and relationships of the Native Americans. Emphasis will be placed on the examination Nueta, Hidatsa, and Sahnish people.

102 Comparative Spiritual Beliefs
3 CREDITS
This is an introductory course comparing world religions with those of selected Native American tribes. Basic themes such as creation, prayer, human relations, birth, death, and afterlife will be explained. Emphasis will be placed on the examination of the spiritual beliefs of the Nueta, Hidatsa, and Sahnish people.

103 Cultural Foundations of the Three Affiliated Tribes
3 CREDITS
This class will explore the differences and similarities of the Nueta, Hidatsa, and Sahnish tribes' cultural values. Topics will include clan systems, rites and rituals, and worldviews based on origin. Students will select one (1) tribe for in-depth study.

105 Native American Art
3 CREDITS
This course will acquaint and enable the student to participate in and gain basic knowledge of Native American Artists. This will include their own Culture, Styles, Techniques and Media. From the Southwest, Eastern, West, North, Northwest Coast, and Twentieth Century Trends in Modern Native Art. Lab Fee $50.00

113 Hidatsa I
3 CREDITS
Introduction of basic fundamentals of sound, pronunciation, vocabulary, and phraseology. The course integrates Native American culture with the language. Lab Fee $25.00

114 Hidatsa II
3 CREDITS
Hidatsa II is a continuation of Hidatsa I with an emphasis on grammar, writing, and conservation. The course integrates Native American culture with the language. Prerequisite: NAS 113 or equivalent. Lab Fee $25.00

115 Nueta (Mandan) I
3 CREDITS
Introduction to basic fundamentals of sound, pronunciation, vocabulary, and phraseology. The course integrates Native American culture with the language. Lab Fee $25.00

116 Nueta (Mandan) II
3 CREDITS
Nueta (Mandan) II is a continuation of Mandan I with an emphasis on grammar, writing and conversation. The course integrates Native Amercican culture with the language. Prerequisite: NAS 115 or equivalent. Lab Fee $25.00

117 Sahnish (Arikara) I
3 CREDITS
Introduction to basic fundamentals of sound, pronunciation, vocabulary, and phraseology. The course integrates Native American culture with the language. Lab Fee $25.00

118 Sahnish (Arikara) 11
3 CREDITS
Sahnish (Arikara) II is a continuation of Sahnish (Arikara) I with an emphasis on grammar, writing and conversation. The course integrates Native

American culture with the language. Prerequisite: NAS 117 or equivalent. Lab Fee $25.00

119 Native American Singing
3 CREDITS
This course is designed to teach the student the fundamentals of singing at the drum. Emphasis will be placed on the songs of the Nueta, Hidatsa, and Sahnish people.

120 Native American Hand Games
3 CREDITS
This course is designed to teach hand games and perform the games as a team. Emphasis will be placed on the associated rules and songs of the Nueta, Hidatsa, and Sahnish people. In addition, the AIHEC hand game rules will also be taught.

125 Tribal G.I.S. (Geographical Information Systems)
3 CREDITS
An introduction to applying G.I.S. tools focusing on preserving history and culture, conserving and protecting the environment, monitoring and managing infrastructure and natural resources, studying health issues and planning how to best use ancestral lands.

199 Special Topics
0.5-4 CREDITS
Subjects and credits will vary.

201 History of the Three Affiliated Tribes
3 CREDITS
This course will examine the origin of the Nueta, Hidatsa, and Sahnish tribes, based on oral traditions. There will be an emphasis on the Independence Era (pre-contact) to immerse and strengthen the sense of identity of the Nueta, Hidatsa, and Sahnish people. Archeology will be included as a resource.

203 Native American Philosophy
3 CREDITS
This course will provide an introduction to the Native American philosophical thought, as expressed in selected readings and lectures. A humanistic and objective approach will be used to study various tribal philosophical beliefs with an emphasis on the philosophical beliefs of the Nueta, Hidatsa, and Sahnish people. (Course also listed in the Philosophy area)

204 Native American Health Perspectives
3 CREDITS
This course is designed to provide the student with knowledge of health issues from the Native American point of view. There will be an overview of pre-contact wellness and traditional health systems. It will study various health concerns of Native American people. Causes of contemporary health disparities will also be discussed. Emphasis will be placed on the examination of the health issues of the Nueta, Hidatsa, and Sahnish people.

205 Native American Issues in Film
3 CREDITS
This is a special topic tribal studies course, which focuses on the motion picture industry role in the institutionalization of stereotyping and racism of Indian people in the United States. It is a factual, rather than judgmental approach. The course will present films from the silent era to the present. Course work will concentrate on student responses and analysis to films as well as group projects to allow students to follow their own interests in dealing with the issues of the course. Lab Fee $30.00

206 Ethnobotany
4 CREDITS
Observation, identification and classification of native North Dakota plants with emphasis on structural, edible and medicinal uses by Tribal Nations past and present. Includes laboratory and field activities.

210 Introduction to Ethnopedology
3 CREDITS

A hybrid discipline that encompasses a worldwide view on the soil and land knowledge systems of the Mandan, Hidatsa, Sahnish populations and land classification systems; introduction to the chemical, physical, and biological properties of soils; the origin, classification and distribution of soils and their influence on people and food production management and conservation of soils; and the environmental impact of soil use.

213 Tribal Government
3 CREDITS
This course provides an analytical description of tribal governments and their legal, social, and political structure. Emphasis will be placed on the examination of the tribal government of the Three Affiliated Tribes.

220 Reservation Economics
3 CREDITS
This course will explore the economic systems and the structure of the reservation economy to include agriculture, small business, and tribal enterprise. Emphasis will be placed on the examination of the economic systems of the Nueta, Hidatsa, and Sahnish people.

221 History of Indian Education
3 CREDITS
This course will provide a historical review of the education of Native Americans prior to and during the history of the United States. Special attention will be paid to the traditional education system, assimilation policies, education legislation, boarding school experience, American education, and the tribal college movement. The historical review will increase understanding of the history and traumatic transition of tribes to an American education system. This course will support individual historical research on a selected topic. Emphasis will be placed on the history of the education systems of the Nueta, Hidatsa, and Sahnish people.

225 Traditional Gardening and Foods
3 CREDITS
This course is designed to re-introduce participants to the traditional diet and gardening practices of the Nueta, Sahnish, and Hidatsa Peoples.

240 Research and Writing in Native American Studies
3 CREDITS
In this course, students will explore and write about issues in Native American Studies. Emphasis will be placed on the examination of the Nueta, Hidatsa, and Sahnish people.

291 Leadership Development
3 CREDITS
This course provides students with opportunities to engage in leadership development activities through membership in NHSC's All Chiefs Society, an organization dedicated to the preservation of the Nueta, Hidatsa, and Sahnish cultures, languages, and histories. The organization provides leadership, education, and research opportunities valuing our traditional way of life.

298 NAS Pre-Professional Experience
1-3 CREDITS
The student will participate in a field experience in the community and related tribal programs to gain practical experience in areas such as management and administration, working with technology, language immersion experience, cultural knowledge, museum activities, tourism, and more as assigned by the instructor.

299 Special Topics
0.5-4 CREDITS
Subjects and credits will vary.

301 History of the Nueta (Mandan)
3 CREDITS
This course examines the history and culture of the Nueta from pre-contact, through contact, to the present. Through the letters, reports, writings, and journals of early explorers, traders, merchants, and

missionaries, and through the oral literature and teachings of the Nueta. The course will explore the Nueta way of life and the subsequent changes wrought by the immigrations of other peoples to Nueta territory. The Earth Lodge as a symbol of the extended family and a woman's power of ownership will be examined, as will the economically beneficial agrarian practices of the Nueta women.

302 History of the Hidatsa
3 CREDITS
This course examines the history and culture of the Hidatsa from pre-contact, through contact, to the present. Through the letters, reports, writings, and journals of early explorers, traders, merchants, and missionaries, and through the oral literature and teachings of the Hidatsa, the course will explore the Hidatsa way of life and the subsequent changes wrought by the immigrations of other peoples to Hidatsa territory. The Hidatsa *Sun Dance* and its importance to the Hidatsa culture will be explored. The Earth Lodge as a symbol of the extended family and a woman's power of ownership will be examined, as will the economically beneficial agrarian practices of the Hidatsa women.

303 History of the Sahnish (Arikara)
3 CREDITS
This course examines the history and culture of the Sahnish from pre-contact, through contact, to the present. Through the letters, reports, writings, and journals of early explorers, traders, merchants, and missionaries, and through the oral literature and teachings of the Sahnish. The course will explore the Sahnish way of life and the subsequent changes wrought by the immigrations of other peoples to Sahnish territory. The Seven Societies of the Sahnish and their importance to the Sahnish culture will be explored. The Earth Lodge as a symbol of the extended family and a woman's power of ownership will be examined, as will the economically beneficial agrarian practices of the Sahnish women.

304 Native American Art History
3 CREDITS
This course will examine the major Native American art traditions and forms from pre-contact, through contact, to the present. Art designs, forms, and techniques of the Mandan, Hidatsa, and Arikara will be emphasized.

307 Native American Leadership: Past and Present
3 CREDITS
Leadership issues among Native Americans will be studied along with the exploration of traditional and contemporary concepts of leadership. Leadership styles and their impacts regarding accomplishments will be addressed. Traditional leadership included not only chiefs but also medicinal, spiritual, traditional art practitioners, and societies. Traditional and contemporary leadership roles include males and females. Emphasis will be placed on the examination of leadership among the Nueta, Hidatsa, and Sahnish people.

308 Tribal, State, and Federal Programs on Indian Reservations
3 CREDITS
Tribal governments on Indian lands generally do not have a tax base with which to govern the people. Many services to Native Americans have their roots in treaty rights. Thus education, health, and social service programs are primarily funded through scant allocations from the federal government. There are numerous agencies where governments may obtain funding through the grant process. These will be identified and discussed in this course. Emphasis will be placed on the examination of the programs of the Nueta, Hidatsa, and Sahnish people.

309 Native American Religion and Spirituality
3 CREDITS
Students in this course will analyze certain historic and present-day tribal beliefs. Foundations of Native American religions will be discussed from the perspective of the tribal-specific belief systems. Topics will include various aspects of Native

American beliefs such as healing, balance, ceremony, medicine people, and the legal protection of Native American religion. Students will explore the colonial impacts of European religions and their proselytizers on Native American spirituality. Spiritual revitalization efforts among people will also be studied. Emphasis will be placed on the examination of the religion and spirituality of the Nueta, Hidatsa, and Sahnish people.

330 Plains Native American Cultures
3 CREDITS
This course will provide an overview of the history and cultures of the Native American Plains societies of the Great Plains. It explores traditional and contemporary (Independence Era or Pre-contact through today) Plains Native American societies and cultures. It takes a look at their histories, cultures, social and political organizations, and interactions with each other. Further, it looks at cultural changes, issues facing contemporary cultures and societies, and situations on reservations today with an emphasis on the Nueta, Hidatsa, and Sahnish people.

342 Native American Music
3 CREDITS
This course will provide an overview of different genres of Native American music. The course will examine the historical context of traditional and the evolution of contemporary Native American music. The students will explore Native American music from the northern and southern plains, southwest, east and west coasts. Students will examine song structure, instrumentation, and performance formats of Native American practitioners. Emphasis will be placed on the examination of the music of the Nueta, Hidatsa, and Sahnish people.

350 Native American Languages
3 CREDITS
The course explores the connection between Native American languages and culture. This will examine Native American language revitalization methodologies and introduce students to the basics of sociolinguistics. This class will compare the difference between oral and written languages. This course will provide an overview of Native American languages with an emphasis on Nueta, Hidatsa, and Sahnish.

352 American Indian Philosophical Thought
3 CREDITS
This course will explore Native American thought from pre-contact through the present by examining oral narratives and written materials. Students will understand how Native Americans think about multiple subjects to include social, spiritual, legal, political, aesthetic, scientific, environmental, and historical matters.

379 Special Topics
1-3 CREDITS
Prerequisite: six hours of NAS courses.
Course must cover topics of special interest to NAS such as politics and tribal government, contemporary health issues, educational policies and trends, and Native culture in the U.S. and North Dakota.

385 Native American Economic Development
3 CREDITS
This course will explore economic development on Indian lands using the Joint Occasional Papers of Native Affairs (JOPNA) produced jointed by the Harvard Project on American Indian Economic Development at Harvard University and the Native Nations Institute for Leadership, Management, and Policy at the Udall Center for Studies in Public Policy. The JOPNA series consists of premier academic research and policy reports, which students will read critically, discuss, and determine whether the research is applicable to their own reservation communities. Emphasis will be placed on the examination of the economic development of the Nueta, Hidatsa, and Sahnish people.

388 Native American Ecological Knowledge

3 CREDITS
An overview of the relationships between Indigenous peoples and their environments, including an exploration of cultural, historical, and contemporary aspects of Indigenous environmental philosophies; the nature, control and transmission of Native American Ecological Knowledge, and historical uses of ecological knowledge in managing the environment.

400 Indian Country Today
3 CREDITS
This course acquaints students with a myriad of contemporary issues confronting Native Americans today. Issues of tribal sovereignty, tribal politics, ethics in government, political activism, appropriation of Native religious ceremonies, Native water rights, hunting and fishing rights, jurisdictional issues, gaming, education, and contemporary Indian arts will be studied. Emphasis will be placed on the examination of contemporary issues of the Nueta, Hidatsa, and Sahnish people.

401 Evaluating Research on TAT
3 CREDITS
This course is designed for students to conduct value-based content analyses of research about the Three Affiliated Tribes. Each student will do limited case study of the researcher, and a content analysis of the researcher's work related to the Three Affiliated Tribes. A few of the researchers to be studied include Alfred Bowers, Gilbert Wilson, Martha Warren-Beckwith, Joseph Cash. Other less known individuals will also be studied.

402 Agricultural & Natural Resource Management in Native American Comm.
3 CREDITS
This course will concentrate on agriculture practices and natural resource management of Native American communities with an emphasis on the Three Affiliated Tribes. The class will review the history of agriculture and natural resource management. The class will also examine principles and practices that positively impact environments. The disciplines of ecology, natural resource management, and conservation will be explored. Topics that can be covered include: ecology and taxonomy of important organisms, tract identification, acreage calculations, leasing requirements, erosion control, USDA programs, ranching equipment, and grazing strategies.

418 Native American Judicial Issues
3 CREDITS
This course will examine how the local Tribal Court systems and the Trial Appeals Courts function. Other issues will be studies related to justice on the reservation such as civil procedure; local, federal, and state jurisdictions; judicial appointments; Native American rights under the American Indian Civil Rights Act; and BIA and Tribal law enforcement agencies in relations to the Tribal Courts. Emphasis will be placed on the examination of the judicial issues of the Nueta, Hidatsa, and Sahnish people.

420 Federal Indian Law and Policy
3 CREDITS
The focus of this course is the historic development of federal Indian law and related federal policies. It will address fundamental theoretical issues such as the establishment of Indian Law, historic and postcolonial policies directly affecting reservation Indians in the United States, and the critical relationship between Indian law and policy. A review will be conducted of primary documents, treaties, case law, and agencies which are the foundations of federal relationships with Indian Tribes. Emphasis will be placed on the examination of the federal laws and policies affecting the Nueta, Hidatsa, and Sahnish people.

424 Native American Oral Literature
3 CREDITS
The oral literature of Native America provides a wealth of historical, social, economic, and spiritual literary material. This course will explore the different genres of oral literature and different theoretical

approaches to examining oral literature. Emphasis will be placed on the oral literature of the Nueta, Hidatsa, and Sahnish people. Offered Fall to respect the traditional storytelling period.

425 Tribal Colleges and Higher Education
3 CREDITS
This course will explore history, mission, governance, organization, finance, curriculum, and current challenges of tribal colleges. The course will also include student characteristics and student support services, responsibilities, and evaluation and assessment. This class will examine the different philosophies of tribal colleges and how each college responds to the needs of their community. This class will look at their contributions to Native education, academia, states and federal agencies. Emphasis will be placed on Nueta Hidatsa Sahnish College and the higher education of the Nueta, Hidatsa, and Sahnish people.

430 Native American Studies Internship
1-3 CREDITS
Prerequisite: completion of 18 hours of Native American Studies curriculum and permission of internship coordinator. Participation in a supervised work experience. Grade is based on work performance, regular reports, and on-site supervisor's evaluation.

444 Native American Environmental Issues and the Media
3 CREDITS
This course acquaints students with a myriad of environmental issues facing tribal nations today as a result of natural resource development, and with how the media presents such issues. Students will examine the impacts of oil and gas development, coal-generated power plants, hunting, fishing, and boating. By reading, viewing, and analyzing media literature, reports, and visual materials, students will learn to use a critical approach in determining the underlying intent and value of the productions. These issues will be studied and reflected upon through a tribal worldview and perspectives. Emphasis will be placed on the examination of environmental issues of the Nueta, Hidatsa, and Sahnish people.

492 Directed Readings
1-3 CREDITS
Prerequisite: six hours of NAS courses.
Must be lead by a faculty member to approve a topic area related to Native American Studies. Faculty member and student must agree on text related to topic, assessment and evaluation.

494 Independent Study
1-3 CREDITS
Prerequisite: six hours of NAS major courses and permission of instructor. Work on a topic of the student's choosing taken under the direct supervision of a faculty member. May involve directed reading and research or participation in a community-based activity. Students will be required to give a written report or research papers.

499 Senior Thesis in Native American Studies
3 CREDITS
This course is open only to majors/double majors by arrangement with the Vice- President for Native American Studies. A formal thesis is required for the course. Please contact the Native American Studies office for the rules pertaining to completion of this course.

**Course offered only as needed

NURSING (NURS)

100 Nurse Assistant Training
4 CREDITS
This course will provide students with the knowledge, skills, and attitudes necessary to provide basic nursing care to a variety of populations. The students will be introduced to the clinical setting

where they will learn the skills needed to care for all clients with various health care needs. The course requires 44 hours of classroom learning that is divided between theory and lab skills practice. Students will be required to participate in 36 hours of clinical experience at a designated health care facility. All hours must be completed in order to qualify to take the North Dakota State Certified Nurse Assistant Exam.

PHYSICS (PHY)

105 Physical Science
4 CREDITS
This course provides a survey of the material world and the principles of physics, chemistry, and the earth, and space sciences. The course provides general knowledge and appreciation of achievements in modern science. Includes laboratory and field activities. Offered as needed. Lab Fee $25.00

211 Physics
4 CREDITS
This is a beginning course for students without a calculus background. Students will demonstrate an understanding of the foundations of Classical Physics—force, energy, power, position/velocity/ acceleration, momentum, waves—and skills in interpreting graphs, critical thinking, problem-solving, and applications. Includes review of trigonometry and the metric system. Offered as needed. Prerequisite: College Algebra/Trigonometry

251 University Physics I
4 CREDITS
The calculus-based general physics course sequence for students majoring in chemistry, physics, or engineering. Topics: Newtonian mechanics and gravitation, work and energy, solids and fluids, heat and thermodynamics. The laboratory is a part of this course. A student may not receive credit for Physics 251 and also Physics 211. Prerequisite: MA 165.

252 University Physics II
4 CREDITS
The calculus-based general physics course sequence for students majoring in chemistry, physics, or engineering. Topics: vibrations and waves, electricity and magnetism, light and optics, and an introduction to modern physics. The laboratory is a part of this course. Prerequisite: PHY 251 or ENGR 201 and ENGR 202.

POLITICAL SCIENCE (POLS)

114 American Government I
3 CREDITS
An introduction to political science through the study of the American political system, including the Constitution, the political process; the structure, powers, and procedures of the Presidency; and Congress and the Judiciary.

115 American Government II
3 CREDITS
A course in the study of the structure, function, and problems of state and local government, including executive, legislative, and judicial processes; federalism and metropolitan government.

199 Special Topics
0.5-4 CREDITS
Subjects and credits will vary.

****216 Introduction to Grantsmanship**
3 CREDITS
This course will examine the implementation and management of grants and contracts. Prerequisite: ENG 110 or Equivalent.
234 Basic Indian Law

3 CREDITS
This course is designed to gain understanding and knowledge of the laws governing Indian tribes across North America. A historical overview of the developing relationships, beginning with treaty making and ending with the Indian's relationship with the federal government today. Emphasis on North Dakota Tribes and the uniqueness of tribal governments.

****250 Public Administration**
3 CREDITS
This course examines the forms and trends of public administrative organization, including management; legislative and judicial controls of public administrating. Where applicable, this course will include a provision for a student's graduation project.

****297 Tribal Government Internship**
2 CREDITS
The objective of this course is to expose the student to a variety of experiences within our Tribal Government and Tribal Court system.

299 Special Topics
0.5-4 CREDITS
Subjects and credits will vary.

**Course offered only as needed

PRE-ENGINEERING (CE, ENGR, EE, ME)

CE 204 Surveying I/Lab
4 CREDITS
Field and office problems using surveying instruments, measurements and computations with emphasis on mathematics concepts. Prerequisite: MA 105 or 107.

ENGR 115 Intro to Engineering w/CAD
4 CREDITS
This course is designed to introduce the profession of Engineering, in its many types, to the student—in particular the specific skill of Computer-Aided Design (CAD). The skills and techniques used by successful college engineering students—study techniques, time management, test taking, note-taking, goal-setting, wellness, stress management, and career orientation in engineering--will be discussed. AUTOCAD will be used to demonstrate the potential of Graphic Design software; activities will engage the students in the basic steps of engineering design and how it relates to the profession.

ENGR 201 Statics
3 CREDITS
This course will cover scalar and vector approaches to trusses, frames and machines, internal forces, friction forces, center of gravity, centroid, and moment of inertia. Prerequisite: MA165

ENGR 202 Dynamics
3 CREDITS
This course will cover dynamics of particles and rigid bodies, work energy, impulse-momentum, principles of conservation of energy and momentum. Prerequisite: ENGR 201 & MA166

ENGR 297 Engineering Internship
1-3 CREDITS
This course allows the student to experience engineering in the workplace in conjunction with their program of study. The student's advisor will approve the location. Credits are earned based on the number of hours worked per semester. Prerequisite: ENGR 115

EE 206 Circuit Analysis/Lab
4 CREDITS
Introduction to electric circuit components. Fundamental laws of circuit analysis. Steady state and transient analysis of DC and AC circuits. Electric power calculations. Prerequisite: MA 166

ME 223 Mechanics of Materials
3 CREDITS
Introduction to stress, strain, and their relationships; torsion of circular shafts, bending stresses, deflection of beams, stress transformations, buckling. Prerequisite: ENGR 201.

ME 350 Thermodynamics
3 CREDITS
Introduction and application to the laws of thermodynamics; analysis of closed and open systems; introduction to heat transfer, Carnot principle, engine power plants and refrigeration applications. Prerequisites: ENGR 202.

PSYCHOLOGY (PSY)

100 Psychology of Student Success
1 CREDIT
Designed to help students succeed in college, including introduction to Information Literacy, goal setting, and problem solving. Basic wellness including physical health, assertiveness, time management and communication skills will be emphasized. Students will understand student assessment and will begin developing their e-portfolios.

111 Introduction to Psychology
3 CREDITS
Fundamentals of psychology will be presented, including the physiological and cultural basis of human behavior; theories of learning, thinking and behavior; techniques of studying human behavior.

115 Horses & Holistic Health
3 CREDITS
Introduction to the range of horse assisted health and wellness programs, including models and methods. Introduction to traditional native cultural perspectives on horses and healing; equine assisted psychotherapy and learning; therapeutic riding; and relational horsemanship models will be covered. Lab fee $25.00

199 Special Topics
0.5-4 CREDITS
Subjects and credits will vary.

201 Dynamics of Adjustive Behavior & Mental Health
3 CREDITS
Presents the principles of behavior adjustment. It is concerned with how socially relevant behavior is learned, what the motivating functions are, and how they operate in life. Prerequisite(s): PSY 111.

230 Educational Psychology
3 CREDITS
Emphasizes principles of child development, learning theory, classroom management, and effective teaching through lectures, class discussion, research review groups, and field experiences Prerequisite: ED 250 and PSY 111. Offered Spring of even-numbered years.

244 Dynamics of Addiction
3 CREDITS.
Emphasizes the history of drugs of abuse, theories and controversies about chemical dependency, and multidisciplinary approaches to treatment. Prerequisite(s): PSY 111.

250 Developmental Psychology
3 CREDITS
This course will examine the normal physical, intellectual, emotional, and social influences on psychological developments. Emphasis will be placed on the significance of childhood and Adolescence in adult development. Prerequisite: PSY 111

255 Adolescent Psychology
3 CREDITS

An overview of theories of human development from conception through adolescence, including the physical, cognitive, language, social, and educational aspects of the individual's development. Special emphasis will be on adolescent issues and problems such as substance abuse.

261 Psychology of Adjustment (Life Span)
3 CREDITS
This course overviews the theories of human development from conception through childhood including physical, cognitive, emotional, social and behavioral parameters, norms and atypical patterns. Also the principles of behavior adjustment will be presented, as well as how socially relevant behavior is learned. Motivational functions will be covered and how they operate in life. A case study is required. Prerequisite: PSY 111.

270 Abnormal Psychology
3 CREDITS
This course studies classifications of abnormal behaviors, both past and present, in an effort to understand causes, both functional and organic, of abnormal behaviors. Current psychological models of abnormal behavior, as well as treatment methods, as well as treatment methods, will be addressed.
Prerequisite: PSY 111

285 Practicum
2 CREDITS
The objective of the Practicum is to expose students to a variety of experiences within human service delivery systems. Students will work with local and regional human service agencies, including hospitals, in their area of interest, including participation in individual, group, and family counseling, special emphasis in addiction counseling. Lab Fee $10.00

299 Special Topics
0.5-4 CREDITS
Subjects and credits will vary.

**Course offered only as needed

PUBLIC HEALTH (PH)

111 Interdisciplinary Approaches to Public Health
1 CREDIT
This course introduces undergraduate students to a variety of research techniques and skills used in the interdisciplinary field of public health. Studying different topics in public health including Environmental Health, American Indian Public Health, Social and Behavioral Sciences, Animal and Veterinary Science, and Plant and Food Science and how they apply to community health is the focus of the course.

SOCIOLOGY (SOC)

100 E-Portfolio/Job Seeking Skills
1 CREDIT
This course will designed to assist students with developing the skills necessary to be successful in employment. The course will include self-assessment, creation of resumes, interviewing, and job seeking skills. It will also integrate classroom study with real work experience. The work expereience will increase the student's technical skills and knowledge, as well as allow classroom learning to be correlated into on-the-job practice. No pre-requisites required.

110 Introduction to Sociology
3 CREDITS
This course will delve into the nature of culture, society, and socialization. An analysis of group life and other social forces will be undertaken, such as: role, status, social stratification, and collective behavior.

115 Family Science

3 CREDITS
An introduction to family science concepts, including family life cycle, different styles of family life, and the influence of society on the family.

215 Marriage and Family
3 CREDITS
This course will explore contemporary changes in families and their structure, impacts on the choices available to family members, and constraints that often limit our choices. This approach will assist students in comprehending a better understanding of the families in which they were raised and are forming themselves. The course will look at issues on family behaviors and after the completion of the course, students will be able to make better decisions in their everyday lives.

SOCIAL WORK (SWK)

106 Domestic Violence
3 CREDITS
This course addresses concerns about violence against women, specifically domestic violence. The course will discuss historical and cultural factors, feminist origins of the domestic violence movement, dating violence, dynamics of captivity, trauma and recovery, child witnesses, offender issues, treatment, prevention and social change approaches, and non-violent men's movements.

108 Methods of Social Work Research
3 CREDITS
This course provides an introduction to basic research methodologies, which provide a framework and fundamental tool for ethical and competent professional social work practice. The course has practical importance in that the knowledge and skill domains of research enable social workers to be knowledgeable consumers of social research. Further these knowledge and skill domains allow social workers to identify and select the most appropriate interventions, services and programs, to monitor their effectiveness and respond to the accountability concerns of program participants, funders and the general public.

110 Social Work Values & Ethics
3 CREDITS
This course will help students acquire the knowledge base required to identify ethical issues, the skills necessary to resolve ethical dilemmas, and the capacity to make ethical decisions when confronted with conflicting duties and choices that occur within the context of professional social work at all levels of practice.

155 Humans Development in the Social Environment
3 CREDITS
Students in this foundation course are provided with an understanding of the intersection between the social environment and the healthy lifespan development of individuals, families, groups, and communities. Throughout this course, students increase their comprehension of how the environment and social context serve to mediate or intersect with the healthy development of each individual, family, group, or community. They examine the ways gender, socioeconomic status, sexual orientation, race and ethnicity, and disability impact human development. Students explore human behavior through the lens of human development, environment, and social context.

160 Introduction to Social Work
3 CREDITS
This course focuses on major concepts and principles of professional social work, including: the development of social welfare; the history of social work; the knowledge, skills, and value base of social work; models of social work methods; and current social work practice applications. The course also looks at the basis of knowledge from which the theories of social justice and diversity spring and

lays a foundation for social workers' professional entry into both public and private arenas.

199 Special Topics
0.5-4 CREDITS
Subjects and credits will vary.

230 Aging and Social Work
3 CREDITS
This course will help students to understand the biological, psychological, and sociocultural aspects of aging and service delivery to elders from a social work perspective. Students will examine the forces and critical issues that impact elders across the life span.

231 Contemporary Issues of Native American Families
1 CREDIT
This course is designed as a community seminar focusing on contemporary issues. The community will be welcome to attend the sessions. The concepts of planning, teamwork, and organizing community forums will be secondary objectives.

250 Interpersonal Skills
2 CREDITS
Introduces fundamentals of communication between individuals. Explores aspects of self-expression and relationship communication. Acquaints the student with fundamental concepts relative to communication between individuals. To give insights into the dynamics of interpersonal communication. To aid in the understanding of how people present themselves to other people, and how others perceive them in return.

255 Social Work Profession
3 CREDITS
This course will familiarize students with the various roles, functions, and tasks which social workers perform in a variety of settings and acquaint them with the primary skills and practices of generalist social work. Students will be introduced to social work practice as a multi-level and multi-method approach to influencing change in problem situations.

256 Social Welfare
3 CREDITS
This course provides a comprehensive introduction to the challenges, demands, opportunities, and benefits associated with the profession of social work. A special focus is placed on the field of social work and how it is inextricably linked with amelioration of social problems at various stages of the history of American social welfare. A brief review of the early ideologies and values that have formed the basis of the American welfare are provided. This course also examines, in a critical manner, the ideological differences between conservatives (including libertarians), liberals, and radicals, and how these have impacted programs and services.

260 Cultural Diversity
3 CREDITS
This practice course exposes students to knowledge of racial/ethnic groups and to provide skills for effective social work intervention with each group. Theoretical and practice dimensions of social work with oppressed people are addressed in this course. Students are guided in understanding their own cultural and ethnic heritage, increasing their sensitivity to the ethnic reality of culturally diverse groups in this country, as they prepare to work with diverse populations.

299 Special Topics
0.5-4 CREDITS
Subjects and credits will vary.

**Course offered only as needed

SOIL SCIENCE (SOIL)

SOIL 210 Introduction to Soil Science

3 CREDITS
Physical, chemical, and biological properties of soils as related to use, conservation, and plant growth. Lab Fee $10.00

SOIL 221 Soil Management and Conservation
3 CREDITS
Principles and practices of soil management and conservation planning in relation to soil erosion, tillage systems, crop production, sustainability, and environmental quality. Lab Fee $10.00

331 Soil Ecology
3 CREDITS
This course engages students with the principles of soil-plant-animal interactions and their influences on environmental and agricultural issues of global significance (e.g., sustainable agriculture, global climate change, diversity conservation). Pre-requisite SOIL 210. Offered Spring of odd-numbered years.

199 Special Topics
0.5-4 CREDITS
Subject and Credits will vary

299 Special Topics
0.5-4 CREDITS
Subject and Credits will vary

SUSTAINABLE ENERGY TECHNOLOGY (SET)

101 Introduction to Sustainables
3 CREDITS
This course will define sustainability as it applies in the world order. It will focus on alternative energy sources and the role that energy has played in modern society. Specifically, it will cover in some detail photovoltaic systems, wind energy systems, and solar thermal systems such as hot water and heating. The student will look at the economic and environmental impact that fossil fuels have created and review alternative approaches to sustainable energy development. The class will increase the overall awareness and appreciation of modern energy usage and knowledge of alternatives that allow for a sustainable future.

102 Introduction to Wind
3 CREDITS
This course will explore the concepts of harnessing naturally occurring winds to generate electricity. Wind powered mechanisms, wind farms, and the current status of wind energy utilization will be discussed. Horizontal Access, Vertical Access, and other wind turbine designs will be covered. The history of wind energy will also be included. Pre Req: SET 101

110 Basic Electronics
4 CREDITS
This course is designed to introduce the student to the fundamental concepts of electronics and electronic systems. Analog and digital systems will be introduced with some basic applications. The student will learn how to use electronic instruments including the volt ohm ampere meter, a wave form generator and an oscilloscope. This is an interactive course whereby the student will develop an understanding of various electronic components and circuits, build a simple bread board and then measure various parameters and responses of the components / circuits. The goal is to reinforce what was learned with real world measurements. Pre Req: SET 101

121 Photo Voltaics I
3 CREDITS
This course is designed to introduce the students to the fundamental and technological concepts of photo voltaic (PV) systems. It will focus on a small introduction to energy and then go into fundamentals of PV such as Electrodynamic basics, Solar Radiation, Basic Semiconductor Physics,

Generation and Recombination of Electron-Hole Pairs, Semiconductor Junctions, Solar Cell Parameters and Equivalent Circuit, Losses and Efficiency Limits. Then we will discuss the technology of PV systems. We will discuss the different types of solar cells. Pre Req: SET 101

201 Energy Efficiency
3 CREDITS
This class will explore energy efficiency and establish that it is the greatest source of energy that we have: saving existing energy (conservation). We will discuss EPA programs like Energy Star, which sets manufacturers' guidelines, and minimum standards requirements will be covered. The student will become familiar with terminology, conservation polices, and energy efficient programs. This course will cover building design and residential construction with methodologies teaching the student how to save energy and the environment, and how to be a smart energy efficient consumer in daily life. Alternative energy sources will be reviewed along with their efficiencies and impacts upon the environment. Various policies and programs such as LEED certifications will be discussed. Topics such as the carbon footprint, co-generation, practical conservation approaches, and life cycle costs will be covered. This course will review the application of technologies and conservation that will promote national energy independence from foreign sources.

221 Photo Voltaics II
3 CREDITS
This class will explore the different types of residential PV systems and designs. Using the Electronics Technicians Association (ETA) International study guide for Solar Electric Certification Programs, the student completing this course will gain sufficient knowledge to take and pass the ETA International Photovoltaic Installer - Level 1 (PVI1) exam. As a certified member of this organization the students can posture themselves to acquire employment in the Residential PV installing field whether the students can work for a company or if they want, they will have the ability to venture out on their own. Pre Req: SET 121

WELDING (WELD)

150 Introduction to Welding
3 CREDITS
This course serves as an introduction to the basic process of welding. Students learn about various welding processes as well as blueprint reading, welding math, and welding symbols. This elective's intent is to assist a student in determining if they are interested in pursing the welding certificate.

151 Welding Theory I
4 CREDITS
This course introduces the process of shielded metal arc welding, gas metal arc welding, oxy fuel cutting to the student. Safety practices that are observed in the industrial field are reviewed and safe welding practices are performed in the shop environment. Selection of welding supplies and materials used in industry are introduced. Offered Fall.

152 Welding Theory II
4 CREDITS
This course is a continuation of Welding Theory I which involves how electric welding components work. AC/DC currents, proper setup for different welding processes are covered. Students will gain the ability to determine what type of rod and procedure to use in order to produce cost effective repairs and quality welds while utilizing OHSA safety standards as guidelines in the process. Offered Spring.

153 Welding Lab I
6 CREDITS
This course provides students with the skills necessary to perform cutting and brazing with the oxygen acytelen process. Students will learn to

produce high quality welds using the shielded metal arc using the E60 and E70 series welding electrodes. All safety procedures required with personal proactive equipment will be incorporated. Offered Fall. Lab Fee $750.

154 Welding Lab II
6 CREDITS
Students will perfect skills on plate steel in all positions using shielded metal arc welding, gas metal arc welding, flux core arc welding, and plasma arc cutting. Offered Spring. Lab Fee $750.

155 Blueprint Reading for Welding
3 CREDITS
This program concentrates on the understanding and use of technical blueprints. This includes basic lines, geometric construction, orthographic projection, isometric projection, oblique projection, pictorial drawings, and structural sizes. Offered Fall.

165 Blueprint Symbols for Welding
3 CREDITS
This course is a continuation of WELD 155, and introduces the American Welding Society standardized welding symbols used on blueprints. Actual prints from industry are used during this course. Prerequisite: WELD 155. Offered Spring.

187 Types of Non-Destructive Testing
3 CREDITS
This course studies non-destructive tests such as: magnetic particle, eddy current, visual, ultrasonic, dye penetrant, and radiographic. Offered Spring.