NITSAHAKEES + NAHATA + IINA + SHH HASIIN

GRADUATE CATALOG
2025-2026
www.NAVAJOTECH.edu

Navajo Technical University
Board of Regents

Tom Platero
Fort Defiance Agency

Gloria Grant
Chinle Agency

Dr. Delores Greyeyes
Western Navajo Agency

Roselyn John
Eastern Navajo Agency

Dr. Carolyn Thomas Morris
Northern Agency

NTU Student Senate President

The NTU Student Senate President is a voting member of the Board of Regents during his/her one-year term of presidency. The remaining Board members serve on a four-year staggered term.

ACCREDITATION AND CERTIFICATION

Navajo Technical University is fully accredited by
Higher Learning Commission
2005 – Present

National Culinary Federation Accreditation

AVMA Veterinary Accreditation

ABET Accreditation: Industrial Engineering and Electrical
Engineering programs

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2025-2026 Academic Calendar

Fall Semester 2025

Pre-Registration Begins	Apr 28
Faculty Return	Aug 4
New Student Orientation	Aug 13
Navajo Nation Code Talkers Day	Aug 14
On-Site Registration	Aug 15
Instruction Begins	Aug 18
Late Registration w/fee	Aug 19-20
Last Day to Add/Drop Classes w/out W	Aug 22
HOLIDAY - Labor Day	Sep 1
Fall Graduation Petition due	Sep 26
Midterm Exams	Oct 6-10
Fall Break	Oct 16-17
Last Day to Withdraw With a W	Oct 27
HOLIDAY - Veterans Day	Nov 11
HOLIDAY – Thanksgiving Day/ NN Family Day	Nov 27-28
Final Exams	Dec 8-11
Grades due to Registrar	Dec 12
FALL GRADUATION	Dec 12
HOLIDAY – Christmas	Dec 25

Spring Semester 2026

Pre-Registration Begins	Oct 20
HOLIDAY - New Year's Day	Jan 1
Faculty Return	Jan 12
New Student Orientation	Jan 15
On-Site Registration	Jan 16
HOLIDAY - Martin Luther King Day	Jan 19
Instruction Begins	Jan 20
Late Registration w/ fee	Jan 20
Last Day Add/ Drop Classes w/out W	Jan 23
HOLIDAY - President's Day	Feb 16
Spring Graduation Petitions due	Feb 27
Midterm Exams	Mar 9-13
Spring Break	Mar 16-20
Last Day to Withdraw With a W	Apr 2
Final Exams	May 11-14
Final Grades due	May 15
SPRING GRADUATION	May 15
Memorial Day	May 25

2025 Winter Intersession

Pre-Registration	Oct 20
Instruction Begins	Dec 15
Late Registration w/fees	Dec 16
Last Day Add/Drop Classes w/out W	Dec 16
Holiday - Christmas Day	Dec 25
Midterm progress grades due	Dec 26
Last Day to Withdraw	Dec 26
Last Day of Class/Grades Due	Jan 2

2026 Spring Intersession

Pre-Registration	Mar 23
Instruction Begins	May 18
Late Registration w/fees	May 19
Last Day Add/Drop Classes w/out W	May 19
Memorial Day	May 25
Midterm progress grade due	May 29
Last Day to Withdraw	May 29
Navajo Nation Memorial Day	Jun 1
Last Day of Class/Grades Due	Jun 5

2026 Summer Semester

Pre-Registration Begins	Mar 23
Instruction Begins	Jun 8
Late Registration w/ fee	Jun 9
Last Day Add/ Drop Classes w/out W	Jun 10
HOLIDAY - Juneteenth	Jun 19
Midterm progress grades due	Jun 26
Last Day to Withdraw	Jul 1
HOLIDAY - Independence Day	Jul 3
Last Day of Class/Grades Due	Jul 17

NAVAJO TECHNICAL UNIVERSITY GRADUATE STUDIES

VISION

Navajo Technical University provides an excellent educational experience in a supportive, culturally diverse environment enabling all community members to grow intellectually, culturally, and economically.

PHILOSOPHY

Through the teachings of *Nitsáhákees* (thinking)*, Nahátá* (planning)*, Iiná* (implementing)*,* and *Sihasin* (reflection), students acquire quality education in diverse fields, while preserving cultural values and gaining economic opportunities.

MISSION

Navajo Technical University honors Diné culture and language, while educating for the future.

NONDISCRIMINATION DISCLOSURE

Navajo Technical University maintains an open admissions policy. Navajo Technical University does not discriminate on the basis of race, color, religion, national origin, sex, gender, age or disability. The university complies with applicable provisions of the Civil Rights Act of 1964; Sections 503 and 504 of the Rehabilitation Act of 1973; Section 402 of the Vietnam Era Veterans Readjust Act of 1975; the Age Discrimination in Employment Act of 1967, as amended; the Higher Education Opportunity Act, as amended; and the Navajo Preference in Employment Act. Equal opportunity for employment and admission is extended to all persons in accordance with Navajo Nation and applicable federal law.

HISTORY

At its inception as the Navajo Skill Center in 1979, the institution was able to meet the immediate needs of a population. Students learn the rudiments of a trade, graduate, and join the workforce in and around the Navajo Nation. It soon became clear that the students wanted more than knowledge or skill in a trade or vocational program. Prompted by the school's expanding mission, in 1985 the Board of Directors changed the Skill Center's name to Crownpoint Institute of Technology (CIT).

In 1994, through an Executive Mandate by the United States, CIT was designated as a Land Grant college. The status has led to rapid expansion of the school's facilities and services as well as to its increasing influence in the academic community. A land-grant college is an institution of higher education in the United States designated by a state to receive the benefits of the Morrill Acts of 1862 and 1890. Both Morrill Acts funded educational institutions by granting federal land to the states for them to develop colleges with a mission as outlined in the 1862 Act which is to focus on the teaching of practical agriculture, science, military science, and engineering as a response to the industrial revolution and changing social class. This mission was in contrast to the historic practice of higher education to focus on an abstract liberal arts curriculum.

In November 2006, the Navajo Nation Council approved changing the name to Navajo Technical College (Navajo Nation Council Resolution CN-58-06) and only a few years later, in July 2013 the name changed again to Navajo Technical University (Navajo Nation Council Resolution CJY-35-13). Navajo Technical University developed swiftly into a respected technical-vocational tribal University that addresses the continually changing requirements of its students. The University offers a broad selection of certificate and degree programs, each designed to prepare students for entry into careers and further education. Our graduates' professional and academic success is a living testimony to the quality of their education at NTU.

Today, in the high-tech, high-speed twenty-first century, the magnificent high desert country of the Navajo Nation remains largely unknown to the rest of the world. Remote, mysterious, and unspoiled by the wider society that surrounds it, the Navajo culture not only survives but flourishes. Since the desperate days of the Long Walk, a century and a half ago, when the possibility of extinction loomed above us, the Navajo population has grown to become the largest American Indian Nation in the United States. Now numbering some 400,000+, our population is young and proud and is ambitious in its desire to preserve its heritage and to meet the challenges of a world in which change is the only constant. The Navajo language is recognized by the Modern Language Association as one of the 30 major non-English languages spoken in the United States today.

GRADUATE SCHOOL HISTORY

Navajo Technical University became a University in 2013 with the creation and approval of the Master of Arts degree in Diné Culture, Language & Leadership. The Master of Science in Management Information Systems was approved in Spring 2021 as a fully online program.

NAVAJO TECHNICAL UNIVERSITY
GRADUATE CATALOG

This catalog serves as a guide to Graduate School academic policies, procedures, regulations, and fees that govern graduate students attending Navajo Technical University. Navajo Technical University reserves the right to change the content of this Graduate catalog at any time without notification. It is the sole responsibility of the graduate student to know and understand the catalog for completion of a degree.

The vision of the School of Graduate Studies is to provide every graduate student with quality education and research focused on their Indigenous ancestors' integrity and stamina to continue the cultural existence of global Indigenous communities.

Navajo Technical University is a non-profit institution of higher learning and is chartered by the Navajo Nation.

http://www.navajotech.edu

School of Graduate Studies
NAVAJO TECHNICAL UNIVERSITY
PO Box 849
Crownpoint, NM 87313-0849
Ph 505-387-7401
Fax 505.786.5644

Graduate School Goals

- Student-First Educational Institution
- Excellent Quality Teaching
- Employability Training
- High Graduation Rate
- Low Education Cost
- Quality Research for the Communities
- Social and Cultural Responsibility to the Nation

ACCREDITATION AND CERTIFICATION

Navajo Technical University is fully accredited by Higher Learning Commission 2005 – Present.

The Higher Learning Commission accredits degree-granting post-secondary educational institutions in the North Central region.

NON-DISCRIMINATION

Navajo Technical University maintains an open admissions policy. Navajo Technical University does not discriminate based on race, color, religion, national origin, sex, gender, age, or disability. The university complies with applicable provisions of the Civil Rights Act of 1964; Sections 503 and 504 of the Rehabilitation Act of 1973; Section 402 of the Vietnam Era Veterans Readjust Act of 1975; the Age Discrimination in Employment Act of 1967, as amended; the Higher Education Opportunity Act, as amended; and the Navajo Preference in Employment Act. Equal opportunity for employment and admission is extended to all persons in accordance with Navajo Nation and applicable federal law.

TITLE IX POLICY

This policy prohibits Sexual and Gender-Based Harassment, Sexual Assault, Sexual Exploitation, Relationship and Interpersonal Violence, Stalking, and includes a provision regarding Alcohol and/or Other Drugs for Purposes of Prohibited Conduct. This policy complies with applicable legal requirements including Title IX of the Education Amendments of 1972; Title VII of the Civil Rights Act of 1964; the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act, and other applicable Navajo, Federal, and New Mexico and Arizona state laws. NTU intends to take the corrective action needed to prevent, correct, and if necessary, discipline behavior that violates this policy. Anyone who believes she/he may have experienced sexual harassment may inform a supervisor, instructor, and/or counselor, the Dean of Student Services, the Dean of Graduate Studies, or the Human Resources Director. The Title IX Coordinator will investigate the incident according to policy & procedures. http://www.navajotech.edu/title- ix

ADMISSION REQUIREMENTS

GENERAL GRADUATE ADMISSIONS

1. Graduates of accredited colleges and universities with a baccalaureate degree, whose record shows evidence of ability to do graduate work as outlined below, may apply for admission. The baccalaureate degree must be earned before the start of the term in which the student is admitted for the master's degree program. The following documents must be received in the Admissions Office before the semester the student is to start classes.

A graduate committee will review completed applications. The Office of Admissions and Graduate Committee reserves the right to request the names and contact information of two persons, professional or academic, qualified to comment knowledgeably on the applicant's skills and qualifications.

a. A completed and signed NTU graduate application with a **non-refundable $50 application fee.**

b. A Certificate of Indian Blood (CIB) or an official record of enrollment that indicates membership with a federally recognized Indian Tribe for all Native American students.

c. *Official* college transcripts from each accredited college attended including conferred date of awarded Bachelor's degree.
   - Applicants are responsible for compiling their own credentials. Collect all documents in SEALED envelopes such as official transcripts or official electronic transcripts and letters of recommendation. Documents submitted in unsealed envelopes will not be accepted and will be returned. All documents submitted in support of the application will become a part of the permanent records at the University and are not returnable nor copies made at any time.
   - Applicant transcript must show qualifying GPA from the graduating institution for the intending program.

d. Three current letters of recommendation from professional or academic references, dated within 60 days of the application deadline.

e. Resume

f. A 500-word statement of purpose including your goals, interests, experiences, and any other information that will assist the Graduate Admission Committee in considering your application for graduate admission.

g. All graduate credit hours are expected to be earned at Navajo Technical University. There might be a possibility that a very low number of graduate course credit hours <u>might</u> be considered for transfer from other institution(s). As determined by the Graduate Admission Committee.

h. A copy of an undergraduate research paper to review the student's writing skills. (for the master's degree programs).

i. Students must keep contact information current, including phone number, mailing address, and email address.

j. Copy of Social Security Card

ADMISSION REQUIREMENTS FOR INTERNATIONAL STUDENTS

International Admissions
- A completed NTU International Student Application along with all General Graduate Admissions requirements.
   - Official High School Transcripts – Translated into English if in a different language
   - Official College Transcript – Translated into English if in a different language
- Official Test of English as a Foreign Language (TOEFL) scores
   - TOEFL scores must be less than 2 years old from the date of Admissions.
   - Acceptable Scores: 500 paper, 173 computer base, 61 internet base.
- Financial Support Form

Navajo Technical University complies with the Department of Homeland Security and the Student and Exchange Visitor Program within the U.S.

Immigration and Customs Enforcement (ICE). Upon NTU's issuance of an I-20 form to the student, each International student must comply with the following:

1. Must be enrolled as a full-time student
   a. May take only one – 3-credit courses online.
   b. Must have current I-20, attend the school stated on I-20.
2. Must be enrolled in a program of study that results in a degree.
3. Must be proficient in English
4. May not work off-campus during the first-year academic year.
5. Students are responsible for locating suitable housing.
6. Students are responsible for providing transportation to and from the college.
7. Health Insurance.
8. Students must keep their mailing address updated and must report a new address within 10 days of address change.

Note: Any documents received by Navajo Technical University will not be returned to the applicant/student and cannot be re-issued to the applicant/student or to another institution. Students may request copies of their student file in accordance with the policies set forth in the Navajo Technical University Student Handbook.

Upon conditional acceptance into the graduate degree program, the student will be required to attend a mandatory preparation summer session focused on academic writing and researching techniques for all graduate students as part of the requirements for continuing in the graduate program

Department Graduate Admissions Committee
The Department Graduate Admissions Committee (DGAC) at Navajo Technical University (NTU) carefully reviews graduate applications. DGAC is located within each graduate program department, and participates in selection of students who demonstrate academic excellence professional experience, and a commitment to contributing to the academic community at NTU.

Applications are evaluated for the students' eligibility, completeness of application, and appropriate fit for the program. The committee deciding on admissions is based in the appropriate program.

Admission for Master programs will be "conditional admission" with expectation that at the end of the first semester, grade point average will be 3.0 or higher.

GRADUATE PROGRAM ADMISSION REQUIREMENTS

Master of Arts in Diné Culture, Language and Leadership

1. All requirements in General Admissions
2. A GPA of 2.75 in an undergraduate degree in Diné Culture, Language, & Leadership or a related field. Additional requirements may be set by the committee for students with a different bachelor's degree. Relevant work experience will be taken into consideration.
3. A one- page Statement of Purpose
4. Updated Resumé
5. Exhibits the ability to make a positive contribution to the NTU learning community.
6. Two letters of recommendation.

   * Applications holding a bachelor's degree in a distinct field are eligible for consideration; however, they must demonstrate how their experience correlates with the program's objectives.

Master of Science in Management of Information Systems (Online)

1. All requirements in General Admissions
2. A GPA of 2.75 in an undergraduate degree in Management of Information Systems or a related field. Additional requirements may be set by the committee for students with a different bachelor's degree. Relevant work experience will be taken into consideration.
3. A one- page Statement of Purpose
4. Updated Resumé
5. Exhibits the ability to make a positive contribution to the NTU learning community.
6. Two letters of recommendation.

   * Applications holding a bachelor's degree in a distinct field are eligible for

consideration; however, they must demonstrate how their experience correlates with the program's objectives.

Master of Science in Electrical Engineering (Online)

1. All requirements in General Admissions
2. A GPA of 2.75 in an undergraduate degree in Electrical Engineering or a related field. Additional requirements may be set by the committee for students with a different bachelor's degree. Relevant work experience will be taken into consideration.
3. A one- page Statement of Purpose
4. Updated Resumé
5. Exhibits the ability to make a positive contribution to the NTU learning community.
6. Two letters of recommendation.

   * Applications holding a bachelor's degree in a distinct field are eligible for consideration; however, they must demonstrate how their experience correlates with the program's objectives.

Master of Science in Industrial Engineering

1. All requirements in General Admissions.
2. A GPA of 2.75 in an undergraduate degree in Industrial Engineering or a related field. Additional requirements may be set by the committee for students with a different bachelor's degree. Relevant work experience will be taken into consideration.
3. A one- page Statement of Purpose
4. Updated Resumé
5. Exhibits the ability to make a positive contribution to the NTU learning community.
6. Two letters of recommendation.

   * Applications holding a bachelor's degree in a distinct field are eligible for consideration; however, they must demonstrate how their experience correlates with the program's objectives.

PhD in Diné Culture and Language Sustainability

1. All requirements outlined in the General Graduate Admissions.
2. Master's degree from an accredited college/university.
3. A minimum grade point average (GPA) of 3.0 scale in post-baccalaureate degree coursework.
4. Proficiency in Diné & English language.
5. GRE Scores OR three writing samples (10 pages limit)
6. Three years of practical experience in the classroom or tribal administration or Indian education - specifically Navajo (*preferred)*.
7. Statement of Purpose.
8. (3) letters of recommendation.
9. Resume or CV.
10. Research Proposal outlining the intended research topic & methodology.
11. Writing Sample that demonstrates the ability to write at a scholarly level.
12. Interview to assess academic and professional qualifications.

REGISTRATION POLICIES AND PROCEDURES

REGISTRATION PROCEDURES

Each academic semester, registration is held for all new, currently enrolled, degree-seeking, and non-degree-seeking students for the following term.

- Once students register for classes, they remain registered and are held responsible for fees and grades assessed for these classes.
- Students who register for classes late will be assessed a late registration fee.
- Registration is available over the web using MyNTU at
  http://ecampus.navajotech.edu/ics.

ADVISEMENT

After being admitted, students are assigned a member of the program faculty to serve as their faculty program advisor.

STUDENT RECORDS

The graduate student record is maintained by the Navajo Technical University Registrar's Office. The student records contain admission applications, official transcripts, and other correspondences related to the application.

CHANGE OF CONTACT INFORMATION

It is very important that the student keep the Registrar's Office informed of any changes made, including name, mailing and home address, phone, and email address. To make the address/name change, forms are available at the Admissions/Registrar's office. Name changes require a copy of the Social Security Card indicating the new name. NTU uses the university email as the primary means of notifying students of important university business and information.

ADD/DROP PROCEDURES

Students wishing to drop individual classes or withdraw from NTU completely must do so by the official drop/add deadline. Students are responsible for initiating a course drop, or the instructor may drop students for non-attendance if notated on their syllabus. Such changes could affect a student's scholarship, and/or refunds. Students who officially drop classes after the drop/add date are responsible for payment of tuition and any other fees.

Students who do not properly withdraw are responsible for University fees that are non-refundable.

Students wishing to add individual courses must do so by the official deadline. Any requests after the deadline will have earned grades as of the date of drop. All drop/add changes must be completed through the Registrar's Office.

COURSE CANCELLATION

Navajo Technical University retains the right to cancel or reschedule courses and to change Professors for any course. Courses will be canceled after the last day of add/drop deadline if they do not attain a minimum enrollment. The Graduate Dean shall coordinate with the Registrar to determine which courses will be canceled. Classes canceled because of inclement weather will not be automatically rescheduled, but the Professor will make other class make-up arrangements to maintain the required accreditation contact hours.

COURSE WITHDRAWAL PROCEDURES

Students may voluntarily withdraw from one or more courses or the university, before the withdrawal deadline, without a penalty. A final course grade of "W" will be recorded on the student's transcript for each course from which the student withdraws. (See academic calendars for dates.) Withdrawal forms are available in the Registrar's Office. Students who withdraw are responsible for any outstanding financial accounts. Withdrawing past the Official Withdrawal date requires the assignment of an "F" grade which is included on the transcript and calculated in the grade point average. Students who do not properly withdraw are responsible for University fees that are non-refundable.

To withdraw from a course requires submittal for a *Student Initiated Course Withdrawal* form or an *Instructor Initiated Course Withdrawal* form

TRANSCRIPTS

The Registrar's Office issues both official and unofficial copies of NTU student academic records. A fee is charged for all official transcripts. The Family Educational Rights and Privacy Act of 1974, as amended, prohibits the

release of student transcript records or disclosure of its contents to any third party without the written consent of the student. Contact the Registrar's Office or NTU website for more information.

The Registrar may place a hold on transcripts when a student has an outstanding debt to the university.

CONFIDENTIALITY AND PRIVACY

Student records are maintained confidentially in accordance with the Federal Family Educational Rights and Privacy Act (FERPA) of 1974. This law protects the privacy of a student's educational records by establishing the right of students to inspect their records and providing guidelines for the correction of inaccurate or misleading records. FERPA applies to all schools that receive funds under U.S. Department of Education programs.

NTU has adopted the following policies:
1. No document in a student's record or transcript will be released without the student's written authorization unless it is for NTU faculty and/or staff who have a *need to know*, comply with a judicial order, or for emergency health and/or safety purposes.
2. Before NTU can release information to employers or other institutions, the student must have a signed Release of Information form on file.
3. The following information, categorized by the law as "directory information," may be released without the student's consent unless the student requests the information be withheld:
   - Name
   - Dates of attendance and graduation
   - Program(s) enrolled in or graduated from
   - Educational majors, awards, and certificates
   - Videotapes or photos of students participating in NTU activities

FERPA allows schools to disclose those records, without consent, to the following parties or under the following conditions (34 CFR § 99.31):
   - School officials with legitimate educational interest;

   - Other schools to which a student is transferring;
   - Specified officials for audit or evaluation purposes;
   - Appropriate parties in connection with financial aid to a student;
   - Organizations conducting certain studies for or on behalf of the school;
   - Accrediting organizations;
   - To comply with a judicial order or lawfully issued subpoena;
   - Appropriate officials in cases of health and safety emergencies; and
   - State and local authorities, within a juvenile justice system, pursuant to specific State law.

If a student does not wish to have this information released, a request for non-disclosure of directory information must be submitted in writing to the Admissions/ Registrar's Office. This request must be submitted by the student within the first two weeks of their first semester and is valid until the student withdraws their request for non-disclosure by providing written authorization for the release of that information4. Students have the right to examine their official file. Requests to examine student records should be scheduled in advance with, and performed under, the supervision of the Registrar. The student must submit a written request to the Registrar requesting the documents to be reviewed and indicating which documents are to be reviewed.
1. Students may submit a written request to the Registrar to amend a record that is believed to be inaccurate or misleading
2. Students have the right to file complaints with the Family Policy Compliance Office of the U.S. Department of Education concerning any alleged failures by NTU to comply with the FERPA.

U.S. Department of Education
Student Privacy Policy Office
400 Maryland Ave, SW
Washington, DC 20202-8520

ACADEMIC REGULATIONS

The Navajo Technical University's School of Graduate Studies is strongly committed to providing quality and excellent culture education and the production of outstanding Indigenous researchers and educators for their communities.

Navajo Technical University understands that every graduate student has a keen desire to learn and to improve their lives and environment. NTU provides a disciplined learning environment that promotes academic degrees and research for personal and intellectual growth. Graduate programs promote Intellectual Culture, Language, Knowledge, and Leadership.

COURSE NUMBERING SYSTEM

Only non-degree and fully admitted graduate students may enroll in and receive graduate credit for courses numbered according to the following system:

- 500 and 600-level courses must be taught by members of the Graduate Faculty.

ENROLLMENT STATUS/COURSE LOAD

The normal load for a full-time graduate student is 9 credit hours. The normal load for a full-time graduate student during the summer session is 6 or more credits.

Course Substitution Policy
 To earn a degree/or certificate, students are required to complete all requirements in their degree/or certificate program based on the catalog year they are accepted at Navajo Technical University (NTU). However, under certain circumstances, substitutions may be used if approved. Course substitutions are the process by which courses completed by students may be used to satisfy program requirement for graduation in lieu of courses specified in a program checklist. Substitution requests are only approved when a clear relationship exists between the two courses, and a student will only be allowed two (2) approved courses to be counted towards the student's program. Substitutions may only be used once, and not multiple programs. Any additional requests may be denied.

Prerequisite Waiver Policy
The policy is to enforce prerequisites for all courses. Students will no longer be able to waive prerequisite and corequisite courses. The student must enroll in the prerequisite or corequisite course.

ATTENDANCE POLICY

Students are expected to regularly attend all classes for which they are registered. Absence from class, regardless of the reason, does not relieve the student of his/her responsibility to complete all coursework by the required deadlines. Furthermore, it is the student's responsibility to obtain notes, handouts, and any other information covered when absent from class and to arrange to make up any in-class assignments or tests if permitted by the instructor. Incomplete or missing assignments will affect t h e student's grades. Some instructors may drop students from the class after three (3) absences unless prior arrangements are made with the instructor to make up work and the instructor deems any excuse acceptable. If a leave of absence occurs the student needs to notify the duration and reason for leave to all course professors.

ACADEMIC RESEARCH

Navajo Technical University is committed to the highest standards of integrity in all areas of research and resolves that such activity undertaken by graduate students will be conducted in accordance with strict ethical principles and in compliance with university, federal, and Navajo tribal regulations and policies.

Research conducted by students will comply with the Navajo Technical University Institutional Review Board (IRB). The IRB is a federally and tribally mandated body established under the DHHS regulations for the Protection of Human Subjects (45 CFR 46) and by Resolution of the Navajo Nation Council CJY-35-13. The Navajo Nation Council resolution states that the Navajo Technical University Board of Regents has the power and duties "… to establish an Institutional Review Board to review and approve all social science and animal research conducted by the students of the Corporation; to establish appropriate research conditions and investigative procedures in accordance with applicable federal and Navajo Nation laws to ensure research projects are free from unreasonable harm, and are

non-intrusive, ill-conceived or otherwise offensive. For student-conducted research, the Corporation's Institutional Review Board shall perform the functions of the Navajo Nation Human Research Review Board established in Sections 3260 through 3270 of the Navajo Nation Human Research Code, 13 NNC § 3251 et seq. The Institutional Review Board shall obtain approval of the Navajo Nation Human Research Review Board, as provided in the Navajo Human Research Code, 13 N.N.C. §§ 3251 et seq., for all other research including medical research, clinical research, and research reviewed pursuant to the PL 93-638 agreement between the Navajo Nation and U.S. Department of Health and Human Services." (p 8-9)

The NTU IRB Policies and Procedures for Human Research Protection outlines a responsible code of conduct, training responsibilities, requirements, and regulations for all student researchers. This guide will serve as a guide for students in the School of Diné Studies.

Application for Research

The IRB application can be accessed on the NTU Institutional Review Board website. It is the investigator's (student's) responsibility to provide information about research procedures so that the IRB Committee has a clear understanding of what the research entails. It is important that you answer every question to ensure that all of the necessary information is included in your application.

Data collection may not begin until the student has received approval from the NTU IRB to conduct the research, and research-related activity shall not continue beyond the date stated on the approval letter. Research projects involving human subjects can be approved for up to one year in accordance with Federal Regulations. A study is considered complete when data collection and data analysis are complete.

Research Application Checklist

The following is provided to assist you with your application. Be sure your completed application includes these documents:

1. A title page with contact information for all investigators and sponsors.

2. A completed application form that includes:

- A description of any potential financial or professional interest by a funding source in the outcome of the research.
- A description of the setting or location(s) of where the research will be conducted.
- An estimate of how the amount of time that will be requested of each participant.
- A description of any potential benefits to participants for participating in this research (including incentives of any type).
- A description of instances in which participant confidentiality would be broken.
- Disclosure of any additional or non-institutional funding sources.

7. Attach letters of support or agreement showing permission to conduct research at this location.

8. Copies of advertisements, recruitment letter(s), scripts, instructions given to participants.

9. Forms that will be used: Informed Consent, Confidentiality Statement, and Project Renewal.

10. Copies of surveys, instruments or measures, questionnaires, interview schedules, focus group questions, screening instruments, and/or other materials used to collect data.

11. Certification of back-translation for any materials that were translated into a language other than English as well as copies of materials in that language.

12. CV or bio sketch for Principal Investigator.

13. Submit two complete application packets to the Chair or Co-Chair of the IRB Committee.

ACADEMIC INTEGRITY

The integrity of an academic program rests on the principle that the grades awarded to students reflect only their own individual effort and achievement. Students are required to perform the work specified by the professor and are responsible for the content of work submitted such as papers, reports, and examinations. The use of another person's ideas

Letter Grade	Percentages	Description	Grade Points
A	90 - 100%	Excellent	4
B	80 – 89.9 %	Above Average	3
C	70 – 79.9 %	Average	2
D	60 – 69.9 %	Below Average	1
F	Less than 60%	Failure	0
I		Incomplete (No Credit)	None
W		Withdrawal	None
A		Audit	None

or work claimed as your own without acknowledging the original source is known as plagiarism and is prohibited. A student reported for plagiarism or cheating will be referred to the Dean of Graduate Studies and will be subject to disciplinary action, including possible expulsion from NTU. For ethical and responsible use of artificial intelligence (AI) for academic and professional work, refer to the NTU Artificial Intelligence Policy in the Student Handbook.

GRADING STANDARDS

The letter grade of A and B indicates passing grades. The university requires that students must maintain a graduate status GPA of at least 3.0 or higher to maintain regular graduate student status. A grade of one C can put the person on probationary status. Receiving two C grades may suspend the student.

GRADING SYSTEM

The following letter grades and grade points are used at NTU:

Incomplete

An "I" may be issued when unforeseeable circumstances beyond the student's control prevent the student from completing course requirements. Incomplete grades will not be authorized when the student has failed to complete course requirements. An incomplete grade must be converted to a credit grade by satisfactorily completing the required assignments within the adjusted deadline (arranged between the professor and student) of the following semester. A student does not have to reregister for the course if completed within the stated deadline. The Incomplete grade must be converted by the end of the next semester

otherwise the "I" will automatically convert to an "F". The professor must complete and submit an *Incomplete Form* to the Registrar's office.

GRADE APPEAL

Students who believe they have received a grade in error should informally meet with the professor to determine if a clerical error has occurred. If the professor has erred in submitting the grade, the professor will submit a grade change form with the Registrar's office. If the error occurred due to a clerical error in the Registrar's office, the professor should request that the grade be corrected. If discussions with the professor do not resolve the issue, and the student believes he/she has a justifiable grade appeal, he/she should submit a Grade Appeal form. Any appeal of a grade by a student must be initiated no later than the end of the semester following the semester in which the grade was awarded. Summer session grades must be appealed before the end of the fall semester following the summer class. Forms are available in the Registrar's Office.

The grade appeal process:
1. The student must submit a Grade Appeal form with supporting documents to the Dean of Graduate Studies and a copy to the Registrar's Office for record keeping.
2. The Dean of Graduate Studies will review the appeal and assign a person to investigate.
3. The assigned person will request a copy of the syllabus and documentation pertaining to attendance and grades, and a copy of the student's Grade Appeal form.
4. After investigation, the assigned person will submit a report to the Dean of Graduate Studies of the findings.
5. The Dean of Graduate Studies will make a final decision. A report of the final decision will be placed in the student's master file located in the Registrar's office.
6. The student will be notified of the decision.

ACADEMIC PROBATION

At the end of each semester, each graduate student will be reviewed as a group by the Registrar, Dean of Graduate Studies, and appropriate academic advisor to determine the status of each student. Each student is required to maintain a minimum of a 3.0 GPA out of a 4.0 GPA to stay in good standing. A graduate student whose cumulative grade point average drops below 3.00 will be placed on probation. A

consecutive semester on probation can result in suspension.

The student is eligible to return after a full semester of suspension, which requires approval from the Dean of Graduate Studies. The graduate student has one semester to bring their cumulative grade point average above 3.00. If the student is not able to complete this requirement they will be dismissed from NTU and not be eligible to return and complete their graduate degree.

RIGHT TO APPEAL

Students wishing to appeal academic probation or suspension must do so in writing to the Provost within ten (10) working days of the postmark of the letter. The Provost will review and reply with a decision within ten (10) working days of receiving the appeal. The Provost's decision is the final decision.

GRADUATION REQUIREMENTS

To be eligible for graduation and participation in commencement exercises, students must meet the requirements for a degree.

- Graduation petition must be approved and signed by the Dean of Graduate Studies.
- Submit a completed graduation petition and degree checklist to the Registrar's Office before the deadline. The official graduate listing of candidates is approved by the NTU Board of Regents.
- All financial obligations must be cleared before being issued a certificate or degree.
- Return all Library books and checked-out materials.
- Complete the university exit survey and the student career graduate survey.
- Complete the Graduate School Check-Out list and submit it to the Registrar's Office.

It is the responsibility of the student to complete all graduation requirements and submit a petition to graduate to begin the auditing process. Participation in the commencement exercises does not mean that a student is considered a graduate.

FINANCIAL ASSISTANCE

Assistantship and fellowship appointments are possible and are set by the Office of the Vice President and the Office of the Graduate Dean. Students should consult and be familiar with campus policies set by the Human Resources Department when students are employed through their program of study when it pertains to assistantships and fellowships.

Other Funding Sources
- Nihi Dáá Nídíí Dááł Honors Scholarship Program
- American Indian Graduate Center
- Cobell Scholarship

VA Educational Benefits
Navajo Technical University supports our Veterans who served by providing certificate and degree programs. Veterans considering applying for GI Bill benefits should go online: gibill.va.gov to access the Veterans On-Line Application (VONAPP) website to complete their VA form 22-1990. The NTU Financial Aid Officer will then certify those courses that are on the certificate or degree plan. Any questions regarding education benefits should be addressed to the call center at 1-800-983-0937. The Navajo Technical University Veteran's certifying official is located in the Financial Aid Office, 505-786-4183.

Navajo Nation Scholarship and Financial Assistance (ONNSFA)
For ONNSFA requirements, see ONNSFA Policies and Procedures online at www.onnsfa.org. All applicants must apply at their respective agency.

Crownpoint Agency
Email: onnsfacrownpoint@navajo-nsn.gov
PO Box 1080
Crownpoint, NM 87313
Toll Free: (866) 254-9913
Fax Number: (505) 786-2178

Ft. Defiance Agency
Email: onnsfacentral@navajo-nsn.gov
PO Box 1870
Window Rock, AZ 86515
Toll Free: (800) 243-2956
Fax Number: (928) 871-6561

Shiprock Agency
Email: onnsfashiprock@navajo-nsn.gov
PO Box 1349
Shiprock, NM 87420
Toll Free: (866) 223-6457
Fax Number: (505) 368-1338

Tuba City Agency
Email: onnsfatubacity@navajo-nsn.gov
PO Box 370
Tuba City, AZ 86045
Toll Free: (866) 839-8151
Fax Number: (928) 283-3215

Chinle Agency
Email: onnsfachinle@navajo-nsn.gov
Office of Navajo Nation Scholarship & Financial Assistance - Chinle Agency
P.O. Box 2358 Chinle, Arizona 86503
Toll-free: 1-800-919-9269, Fax: (928) 674-2331
Website: www.onnsfa.org

Navajo Nation Chapter Scholarships
Navajo Nation Chapter Assistance is available at each chapter throughout the Navajo Nation. Applicants must be registered members with their respective chapters.

Utah Navajo Trust Fund
The Utah Navajo Trust Fund makes financial aid available to Navajo residents of Utah. The office is located in Blanding, Utah. Applications are available at the Financial Aid and Scholarship Office.

Other Scholarships
Many organizations such as churches, businesses, and civic groups offer scholarships each semester. Others receive assistance from employers, credit unions, corporations, foundations, or professional associations.

TUITION AND FEES

Tuition for each graduate credit hour is $290.00 per credit for students with Certificate of Indian Blood (CIB). The fee for students with no CIB is $580.00 per credit.

Cost	One Semester w/CIB[1]	One Semester non-CIB[2]	Two Semesters w/CIB[1]	Two Semester non-CIB[2]
Tuition (Full time)	$2,610.00	$5,220.00	$5,220.00	$10,440.00
Activity Fee	$ 50	$50	$ 100	$ 100
Technology Fee	$ 200	$ 200	$ 400	$ 400
Library Fee	$ 200	$ 200	$ 400	$ 400
Program Fee	$ 200	$ 200	$ 400	$ 400
Online Course Fee	$35	$35	$70	$70
Total	$3,260.00	$6,520.00	$5,870.00	$11,740.00

Tuition
The Tuition Fee is a charge for instruction at NTU for students enrolled in a credit program.

Activity Fee
The Activity Fee assessed funds students for non-academic student services within each campus – Crownpoint, Chinle, Kirtland, and Teec Nos Pos sites. The activity fee covers the cost of social, and recreational activities including events held throughout the year. These funds are held as fiduciary funds.

Technology Fee
The Technology Fee assessed funds technology initiatives including 1) to acquire, install, and maintain up-to-date and emerging technologies for the purpose of enhancing student-learning outcomes; 2) to provide equitable access to technology resources, and 3) increasing the number of technology-enabled classrooms, reducing dependence on computing labs and expanding and improving the online self-service environment.

Library Fee
The Library Fee assessed funds the cost of operating and maintaining the library, and electronic resources on NTU campuses

Online Course Fee
The Online Course Fee assessed funds for online courses that cover the cost of technology, academic, and student services related to online instruction.

Program Fee
The Program Fee is assessed to students who are taking courses that require additional program fees (special equipment, key, special technology) associated with a course.

Out-of-state tuition does not apply since tuition at NTU is based on whether or not a student is an enrolled member of a federally recognized tribe.

Enrolled Members with a census number or enrollment number (CIB) of a federally recognized tribe. Non-enrolled members or no enrollment number (NON-CIB)

Summer Tuition

During the summer semester, a CIB graduate student can only carry a maximum of six (06) credit hours, which will be $1,578.00 for tuition. Non-CIB graduate student's tuition is $3,156.00. During the summer only, the Technology and Library fees are applied.

Miscellaneous Fees:

One time - Application Fee	$ 50.00
Key Replacement	$ 25.00
I.D. Card Replacement	$ 25.00
Official Transcripts (Each)	$ 10.00

Meals:

Breakfast, Lunch, and Dinner costs are as follows:

Meal Plan	$11.00 per meal
No Meal Plan	$12.00 per meal

Note: Students may sign-up for a meal plan with the Cafeteria during orientation week.

REFUND POLICY

Students who officially withdraw or drop courses are entitled to a partial tuition refund depending on the date of withdrawal. All additional fees are non-refundable. Any refunds due to the student will be processed by the NTU Business Office and approved by the Registrar and Finance Director. Refund checks will be mailed to the student once processed. Refund amounts are calculated according to the following guidelines:

Tuition and Course Fees and Residential Fee Refunds/Credits

Tuition will be refunded or credited to a student's account according to the following schedule which is based on the regular semester schedule:

- 100% refund – before instruction begins
- 80% refund – 1 – 14 calendar days
- 60% refund – 15 – 21 calendar days
- 40% refund – 22 – 28 calendar days
- 20% refund – 29 – 35 calendar days
- 0% refund – after the 35th calendar day

Summer school refunds will be determined according to the number of weeks in the summer session.

Meal plan refunds/credits

The meal plan charge will be prorated per week. A meal plan refund form must be approved by the Culinary Arts/Food Services Coordinator and Finance Director.

Bookstore refunds or credits

Books and accompanying disks or workbooks may be returned if items are returned in good or original condition in order to receive any refund.

STUDENT BILLING POLICY

It is the sole responsibility of the student to pay or fulfill all financial obligations to the college prior to graduation. In the absence of meeting this financial obligation, official college transcripts will not be provided to the student, potential employers, and/or other institutions of higher learning and the student will not be able to receive his/her certificate or degree until the financial obligation is met.

STUDENT SERVICES

NTU offers a variety of services to assist and support students in attaining their educational goals. These student-centered services supplement NTU's academic offerings, help facilitate learning and empower students to succeed personally as well as academically. For an in-depth description of services, please refer to the NTU Student Handbook.

SUBSTANCE ABUSE AND PREVENTION PROGRAM

The Substance Abuse and Prevention Specialist provides intervention and prevention activities. The specialist receives referrals of students who have violated NTU Drug-Free Policy and are then required to attend the counseling/group sessions as a part of their continuation as a student at NTU. The individual referrals are screened, assessed, and evaluated to develop a treatment plan. The Specialist also provides a classroom-based prevention education program in health education, which is designed to increase the student's knowledge about alcohol and drug abuse. The contact number is (505)387-7473. The Prevention Specialist is located in SUB 2nd Floor

CAREER ADVISEMENT, JOB PLACEMENT, AND INTERNSHIP

Career advisement is offered to provide guidance to students in selecting a career path and a corresponding academic program at NTU. The career advisor uses a computer-based pre-assessment test to evaluate an individual's personality, interests, skills, and aptitude to identify his/her career competencies.

Some programs require an internship where students have the opportunity to apply practical, job-specific skills in an actual work situation in cooperation with businesses in the private and public sector. Students enrolled in these programs must complete their internship to qualify for graduation. The student must meet with the advisor and assigned faculty advisor to begin the process of submitting documents and officially registering for the course with the Registrar's Office.

The job placement program aspires to provide students with an advantage in the job market by giving them an opportunity to enrich their skills in an on-the-job learning environment. The job placement program can:

- Provide students with the opportunity to develop knowledge and skills necessary for success in a career or continued education opportunities
- Offer students the opportunity to prepare for a career through on-the-job experience or a research-based learning environment
- Provide students with guidance in selecting a specific career path and/or in choosing a college to complete educational goals
- Strengthen students' employability in today's job market.

The Career Advisor may be contacted by phone at (505) 387-7438. The Career Services Coordinator's contact number is (505) 387-7372.

STUDENTS WITH DISABILITIES

The Disability Accommodations Specialist provides a careful evaluation of the special needs program and accommodating needs of students with disabilities. The specialist conducts related counseling and support for the student and offers professional guidance for staff and faculty on the accommodations and adjustments to program design and facilities required to serve the student appropriately. The specialist coordinates with other NTU counselors to address and case staff clientele to monitor progress and/or make necessary adjustments in accommodations. The specialist also conducts referrals to appropriate agencies as deemed necessary.

Accommodations for Students with Disabilities: NTU is committed to meeting the specific needs of students with disabilities and complies with the provisions of the *Americans with Disabilities Act (ADA) of 1990* (42 U.S.C.12102) and *Section 504 of the Rehabilitation Act of 1973*. In general, the term "individual with a disability" means an individual with any disability (as defined in Sec. 3 of the *Americans with Disabilities Act of 1990* (42 *U.S.C.* 12102). Students are responsible to self-identify and discuss their disability and special needs to receive reasonable accommodations. To receive reasonable accommodations, the student must register with the special needs specialist at the beginning of

the semester. Documentation verifying the type of disability will be required by a medical professional or a state-licensed diagnostician and must be made available to the specialist. To request accommodations, contact the special needs specialist at (505) 387-7396.

LIBRARY SERVICES

The Library is located on the main campus. There are tables for study and laptop use. Library users have access to 28 research computers in the library with printing capabilities. Wireless connectivity is available for most devices throughout the building.

Library Resources
The library collections contain over 7,000+ print & non-print volumes, arranged according to the Library of Congress Classification System. The library subscribes to over forty research databases including Academic Search Premier, Articles First, CINALH, Credo Reference, ERIC, Literature Resource Center, Newsbank, Computers & Applied Sciences, FirstSearch, Environmental Complete, Wilson Science Full-text, Wilson General Science, and WorldCat. The library research databases can be accessed off-campus via the NTU Library website with a user id and password. Contact the Librarian for access. Students may borrow books or obtain copies of articles via the library's InterLibrary Loan (ILL) service when the requested items are not owned by the library (note: the process may take up to two weeks or less to receive materials from other libraries in our network). For more information on the services and resources available at the library, please call the circulation desk at 505- 387-7469.

DISTANCE LEARNING (E-LEARNING)

NTU's goal is to expand access to higher education opportunities for individual and community members of the Navajo Nation and others through electronically offered classes. Distance learning and online teaching technology will be used to provide relevant and timely coursework, information, and training to enhance the learning experience by removing the barriers of both time and place. Once the distance education program is fully implemented, students can enroll at NTU from off-campus computer labs or at home. The E-Learning office

is located in the IT Building. The contact number is (505) 728-7069.

STUDENT HANDBOOK

NTU has a student handbook that provides more in-depth information on services provided to students. NTU Policies, Code of Conduct, and other student-related information. Therefore, students are responsible for adhering to the policies, procedures, and guidelines explained in the handbook to demonstrate appropriate student behavior and maintain good academic standing. Failure to abide by the policies in the handbook may result in consequences which may include dismissal.

ATHLETICS

A higher level of engagement is necessary in the academic pursuit of a graduate degree. While sports are an important component of student life in the undergraduate education, these are expected to play less important roles in the graduate education. Students of graduate studies will be expected to be fully engaged in their academic pursuits and no preference in this regard will be given to sports both for admission and academic endeavor for Graduate Studies. Students needing further information are requested to contact the Dean of Graduate Studies.

STUDENT COMPLAINTS

Students have the right to file a grievance in writing to the Dean of Student Services and/or Dean of Graduate Studies. The nature of the complaint must be described thoroughly, witness provided and any evidence supporting the complaint. Issues and complaints on employees are addressed directly to the immediate supervisor. Refer to the Student Handbook for procedures on reporting and/or filing complaints. An online complaint form is also available on the NTU website at http://www.navajotech.edu/complaints.

FEDERAL CAMPUS SECURITY ACT (THE CLERY ACT)

Crime Prevention: Crime prevention information is provided during student orientation and is published with the campus crime statistic information. Please report any suspicious activities or persons to campus

security. Be prepared to give locations and descriptions.

RESTRAINING (PROTECTION) ORDERS

Persons needing police assistance with the enforcement of restraining orders should provide a copy to the campus security and a copy kept on file with student records.

INSURANCE, MEDICAL EMERGENCIES, HEALTHCARE

NTU is not responsible for property loss, damage, or personal injuries. Students are urged to obtain their own property and medical insurance coverage. The U.S. Public Health Services' Indian Health Service (PHS/IHS) is available to all Native Americans for medical services and non-Native Americans for emergency medical services. For general healthcare (non-emergency), non-Native Americans should seek a private physician.

- Crownpoint Indian Health Service is available for emergency ambulance service by calling (505)786-5291, NTU Campus Security at (505)786-4307 or 4175, or the Navajo Police Department at (505)786-2050 or 911.
- Chinle IHS (928)674-7090 or 7001

SEXUAL HARASSMENT POLICY

NTU follows the non-tolerance guidelines for sexual harassment according to P.L. 92-318. Sexual harassment is defined as unwelcome sexual advances, requests for sexual favors, and/or verbal or physical conduct of a sexual nature that intimidates or causes fear. It is the policy of Navajo Technical University that sexual harassment is reprehensible and will not be tolerated. No student, employee, or job applicant should be discriminated against on the basis of sex. Such discrimination subverts the mission of NTU and threatens the careers of students, faculty, and staff. Sexual harassment of any type is a violation of Title VII of the Civil Rights Act of 1964 and Title IX of the Educational Amendments of 1972. NTU is committed to creating and maintaining a community in which students, faculty, administration, and staff can work together in a humane atmosphere free from all forms of disrespectful conduct, harassment, exploitation, or intimidation. NTU intends to take the corrective action needed to prevent, correct, and if necessary, discipline behavior that violates this policy. Anyone who believes she/he may have experienced sexual harassment may inform the Title IX coordinator at 505-387-7415.

NTU DRUG-FREE CAMPUS POLICY

The NTU Drug-Free Campus Policy prohibits the unlawful and unauthorized use, possession, sale, production, and/or delivery of any illicit drug, alcoholic beverage, and/or drug paraphernalia on school premises or other school locations. School premises or other school locations include any school building on or off the main campus, any school-owned vehicle used to transport students to and from school activities, any off-campus school-sponsored or approved activities, events, or functions, and/or during any time school employees are supervising students on behalf of the school or are otherwise engaged in school business. This also includes being "under the influence" or "intoxicated;" therefore, any student who is found on campus while "under the influence" or "intoxicated," will be reported to the Navajo Police. This policy complies with the Drug-Free Schools and Campuses Act; commonly known as Part 86 of EDGAR and the American Indian Religious Freedom Act of 1978. Drug and alcohol abuse on campus poses a serious threat to the health and welfare of faculty, staff, and students, impairs work and academic performance, jeopardizes the safety and well-being of other students and members of the general public, and conflicts with the responsibility of NTU to foster a healthy environment for the pursuit of education and service. As a condition of enrollment, any student of NTU shall abide by the terms of the Drug-Free Campus Policy by signing the affidavit included in the Admission Packet. Should a student violate the Drug-Free Policy, appropriate disciplinary actions will be enforced according to school policy.

GRADUATE DEGREE PROGRAMS

MASTER OF ARTS DEGREE

DINÉ CULTURE, LANGUAGE, AND LEADERSHIP

The purpose of the Diné Culture, Language, and Leadership program is to educate Navajo people and others who have a keen interest in Navajo-related issues. The School of Graduate Studies will develop and refine the students' capabilities, interests, and needs to obtain their graduate degrees. In the process, enhance the students' learning abilities to better themselves, their families, their communities, and the Navajo Nation.

Diné Culture, Language and Leadership		Credits
NAV501	Navajo Linguistics & Theory	3
NAV551	Navajo Genesis & Theory	3
NAV511	Navajo Verb System	3
NAV555	Formation & Foundation of Navajo Thought	3
NAV571	Navajo Government, Law & Politics	3
NAV620	Navajo Phonetic, Phonology, Semantics & Syntax	3
NAV655	Navajo Identity, Gender & Personhood	3
NAV680	Navajo Traditional Leadership & Philosophy	3
NAV690	Navajo Research Methodology	3
MTH513	Statistical Analysis	3
NAV691a	Master Thesis (A)	3
NAV691b	Master Thesis (B)	3
TOTAL		36

DCLL Academic Research
Each graduate student in the School of Diné Studies is required to choose a research topic at the end of the first full semester. Emphasis is associated with a Navajo Nation need which will be approved by the student's advisory committee.

Students are requested to identify his/her choice of emphases in the application to the Department. Any switching of research emphases after one year from the enrollment as a graduate student is disallowed. Please see http://www.navajotech.edu/academics/institutional-review-board for approval process of the research projects.

MASTER OF SCIENCE DEGREE

MANAGEMENT INFORMATION SYSTEM

MS in MIS provides students with competencies in three areas of concentration, **Information Systems:** (information assurance, data, information, and content management, sustainability, organizational change, information systems management, information systems strategy, infrastructure, and systems development, etc.), **Individual Foundational Competencies:** (critical thinking, creativity, teamwork, ethical analysis, leadership, problem-solving, etc.), and **Domain of Practice:** (business, government, healthcare, law, etc.).

The MS/MIS program's objective is intended to provide needed education and career development foundations. The program's focus is centered on processes that include analytics and ethics, enterprise architecture and IT Infrastructure, information and data management, business foundations, and project management, which are integrated throughout individual courses. The curriculum is designed to obtain real-world master's level technical skills and communication. The MS/MIS degree follows the MSIS 2016 curriculum guidelines: Global Competency Model for Graduate Degree Programs in Information Systems, https://www.acm.org/binaries/content/assets/education/msis2016.pdf.

Management Information System		
Semester FIRST		Credits
MIS 500	Management Information Systems and Careers	3
MIS 510	Ethics and Strategic Management in Organizations	3
MIS 515	Business Intelligence & Data Analytics	3
Semester SECOND		
MIS 520	Business Foundations and Financial Management	3
MIS 525	Systems Requirements, Network, Analysis & Design	3
MIS 530	Information Security, Risk Management, Disaster Recovery & Assurance	3

Semester THIRD		
MIS 535	Cloud Platform & App Builder	3
MIS 540	Managing Technology & People in the Organizations	3
MIS 545	Database & Content Management Systems	3
Semester FOUR Project		
Project Track		
MIS 555	Project Management	3
MIS 560	Digital Marketing and Commerce	3
MIS 565 OR MIS570	Capstone Course *OR*	3
	Internship	
TOTAL CREDIT HOURS REQUIRED		36

ELECTRICAL ENGINEERING

The Master of Science in Electrical Engineering (MSEE) program framed according to Indigenous worldview and application aims to provide students with a comprehensive understanding of the principles and practices of electrical engineering while incorporating Indigenous perspectives and ways of knowing. The program recognizes the importance of Indigenous knowledge and seeks to integrate this knowledge into the curriculum to foster a deeper appreciation for the relationship between technology and the environment, community, and culture.

The program will cover the fundamentals of electrical engineering, including Sustainable & Renewable Energy, power systems, nuclear engineering, and control systems, but will also emphasize the application of this knowledge to Indigenous communities. Students will have the opportunity to work on projects that focus on energy production and distribution, renewable energy, and sustainable development.

Master of Science Electrical Engineering		
Semester FIRST		Credits
ENGR 501	Principles of Indigenous Engineering	3
ENGR 502	Community-Based Research Methodologies	3
ENGR 503	Engineering Seminar	1
EE 5XX	EE Elective 1	3

Semester SECOND		
EE 504	Integrated Research Fellowship or	3
EE 505	Community-Based Research Fellowship	
ENGR 503	Engineering Seminar	1
EE 5XX	EE Elective 2	3
Semester THIRD		
EE 5XX	EE Elective 3	3
EE 5XX	EE Elective 4	3
ENGR 503	Engineering Seminar	1
EE 699	Master's Thesis	3
Semester FOURTH		
EE 5XX	EE Elective 5	3
EE 699	Master's Thesis	3
TOTAL CREDIT HOURS REQUIRED		33

INDUSTRIAL ENGINEERING

Industrial engineering is a branch of engineering that focuses on the optimization of complex processes and systems, and it is key for manufacturing operations. It prepares graduates to apply scientific and mathematical principles to the design, improvement of integrated systems of people, material, information, energy, and equipment.

The NTU master's degree in industrial engineering is a rigorous program designed for individuals with an undergraduate background in engineering or related fields. It provides a competitive edge in the job market and typically takes about years to complete. This comprehensive program equips graduates with the theoretical knowledge and practical skills necessary to address and solve complex industrial challenges, driving innovation and efficiency across various industries.

Each student in the MSIE program should take at least six credit (6) hours from the student's area of concentration. The master's degree program in MSIE consists of four (4) concentrations, namely **operations research, manufacturing, statistics and quality control, and engineering managemen**t. For instance, if a student opts for a thesis in manufacturing, the student must fulfill this requirement by taking six (6) credit hours from manufacturing concentration.

Master of Science Industrial Engineering		
Semester FIRST		Credits
ENGR 501	Principles of Indigenous Engineering	3
ENGR 503	Engineering Seminar	1
IE 5XX	IE Concentration Course	3
IE 5XX	IE Concentration Course	3
Semester SECOND		
ENGR 501	Engineering Seminar	1
IE 5XX	Concentration Course	3
IE 5XX	Concentration Course	3
Semester THIRD		
ENGR 501	Engineering Seminar	1
IE 5XX	Concentration Course	3
ENGR XXX	ENGR 502 or ENGR 504 or ENGR 505	3
IE 699	Master's Thesis	3
Semester FOURTH		
IE 5XX	Concentration Course	3
IE 699	Master's Thesis	3
TOTAL CREDIT HOURS REQUIRED		33

In addition, each student should take at least six credit (6) hours for his/her area of concentration.

IE course list for MS Program		
Areas of Concentration	Courses	
Operations Research	IE 513 Data Analysis	
	IE 515 Advanced Operation Research	
	IE 517 Engineering Optimization	
Manufacturing g	IE 523 Additive Manufacturing	
	IE 525 Advanced Manufacturing Processes	
	IE 527 Advanced Manufacturing Systems	
Statistics and Quality Control	IE 533 Reliability Engineering	
	IE 535 Advanced Statistics	
	IE 537 Advanced Quality Control	
Engineering Management	IE 543 Systems Engineering Management	
	IE 545 Advanced Production and Inventory Control	
	IE 547 Manufacturing Facilities Planning and Design	

DOCTOR OF PHILOSOPHY

DINÉ CULTURE AND LANGUAGE SUSTAINABILITY

The coursework for this degree combines the study of linguistics, ethnography, history, and pedagogy. This combination is the strength of the program, and it is what makes it unique. Students engage with the rich scholarly literature that has been produced by Navajo-speaking and other scholars in the past and present. Students learn to carry out original research, from a Navajo and Western perspective, on language and culture, learning from community elders. Courses lead to practical applications of scholarship for the benefit of language and culture teachers on all levels. Training in Navajo and Western ethnography supports research on Diné culture. Training in linguistics supports original research on Diné Bizaad. Training students in pedagogy helps to develop new curricula and training programs for language and culture teachers across the Navajo Nation.

The PhD is designed for students who have completed a Master's program in any related field. Up to 30 credits at the Masters level may be applied to the PhD requirements. Required classes are marked with *.

PhD in Diné Culture and Language Sustainability		Credits
NAV701	*Introduction to Graduate Studies	1
NAV714	*Language Endangerment and Language Revitalization	3
NAV781	*Quantitative Research Methods in Diné Culture	3
NAV705	*Introduction to Linguistics	3
NAV712	*First and Second Language Acquisition	3
NAV711	*Phonetics and Phonology	3
NAV782	*Qualitative Research Methods in Diné Culture	3
NAV720	*Syntax and Morphology	3
NAV761	*Theoretical, Empirical & Analytical Research in Diné Culture	3
NAV725	*Linguistic Field Methods	3
NAV730	Topics in Linguistics/Diné Studies/Anthropology/Sociology	3
NAV791	*Decolonization Research Methodology	3
NAV751	*Theories of Diné Culture and Social Change	3
NAV771	*Diné Community-Engaged Cultural Research	3
NAV792	*Diné Sovereignty Data Management	3
NAV799	Dissertation	21
Total		65

COURSE DESCRIPTIONS

DINÉ CULTURE, LANGUAGE AND LEADERSHIP

NAV 501 (3) Navajo Linguistics & Theory
Introduction to Linguistics, emphasis on the analysis of the Navajo language. Students will learn from published examples of Navajo lexicography, syntax, phonology, morphology, and semantics. The underlying principles, theories, and methods used in linguistics will be explored. The course requires a term paper.

NAV 511 (3) Navajo Verb System
This course explores the verbal system of the Navajo language. Students will learn the internal structure and external behavior of verbs in Navajo sentences. Verbal structures in Dene languages other than Navajo will also be presented for their comparative value. Students will work with a textbook, with published Navajo texts, and with data from their own experiences.

MTH 513 (3) Statistical Analysis
This graduate course is an introduction to statistics, probability, elementary probability, its theories, and applications. It will include sampling theory, estimation and its applications, and methods of analysis including regression, tests of independence and analysis of variance, and so forth. Students will learn how each of its applications is essential in and to the program.

NAV 551 (3)   Navajo Genesis & Theory
With the help of traditional medicine people of the Navajo Nation, the students will learn the intricacy of the Navajo Creation Stories. Theoretical issues will be discussed and learned in both the Navajo and the English language.

NAV 555 (3) Formation & Foundation of Navajo Thought
The first four sets of elements in the Navajo Creation Stories discuss the first word. With it, the first thought took place. This course will address how thought and speech correlate and further explore what precedes thought and speech, and what occurs with words after they are spoken. Cultural theories from various global ethnic communities will be a part of this coursework.

NAV 571 (3) Navajo Government, Law & Politics
The history of traditional Navajo law and government will be studied in this course. A Western concept of politics has evolved into the current Navajo form of politics. This course explores how Western politics has changed or not changed traditional Navajo perspectives on Navajo Nation governance and its agenda will be thoroughly discussed.

NAV 620 (3) Navajo Morphology, Phonology, Semantics & Syntax
This course explores areas in Navajo linguistics relevant to students' research. Topics may include phonology, morphology, semantics, syntax, lexicography, textual analysis, and linguistic anthropology.

NAV 655 (3) Navajo Identity, Gender & Personhood
Due to the ever-present processes of assimilation and acculturation, Navajo identity has become a challenge for many Navajo people, even within the Navajo Nation. Along with gender variance, the contemporary Navajo world bridges its gender construction into the dominant American cultural version of personhood. Past, present, and future understanding of this topic will be explored in both the Navajo and the English languages.

NAV 680 (3) Navajo Traditional Leadership & Philosophy

The Navajo core cultural philosophy, Sa'ah Naagha Bik'en Hózhó, and its four guiding cultural principles, Nitsákáhees, Nahát'á, Íína, and Siih Hasin, will be used to understand the Navajo traditional concept of leadership and how Navajo cultural philosophy and principles are rooted in the core philosophy and guiding principles.

NAV 690 (3)   Navajo Research Methodology
Navajo ethnographic research methodologies will be taught in this class. Students will learn how to do culturally appropriate research work with Navajo elders. Students will learn and use Navajo kinship, greeting, eye-to-non-eye contact skills, investing in oral communication without writing tools, and so forth.   The difference between qualitative and quantitative will be addressed.

Alongside research methodologies interviewing techniques and other aspects utilized in conducting ethnographic research work will be explored.

NAV 691A/B (6) Thesis
A topic will be presented by the student to his/her Master Thesis committee. With the approval of the Committee, the student will conduct, either ethnographically or library-based research. The research topic approved by the Committee will be based on a need by the Navajo Nation.

ELECTRICAL ENGINEERING

ENGR 501 (3) Principles of Indigenous Engineering
Introduces students to indigenous and non-indigenous electrical engineering principles, exploring engineering history and foundation. Students learn about career opportunities, industry tools, and resources.

ENGR 502 (3) Community-Based Research Methodologies
Focuses on research methods for electrical engineers collaborating with indigenous communities, emphasizing respectful and beneficial practices. Students learn community-based approaches and conduct needs assessment projects.

ENGR 503 (1) Engineering Seminar
Features presentations on electrical engineering topics related to global, national, and local indigenous issues. Students develop research and presentation skills through activities, discussions, and career exploration sessions.

EE 504 (3) Integrated Research Fellowship
Provides off-campus research training opportunities for students in industry, government, or communities, preparing them for engineering careers. Students gain practical experience. At the conclusion of the fellowship students must provide a final report and location supervisors will be required to send reports to university instructors.

EE 505 (3) Community-Based Research Fellowship
Offers research opportunities in indigenous communities, focusing on community needs and projects. Students conduct research, receive professional training, and collaborate with community engineers.

EE 510 (3) Introduction to Smart Grid
Covers smart grid fundamentals, including functions, design criteria, and technology. Students engage in experiments and projects to apply knowledge.

EE 511 (3) Power System Reliability
Introduces electric power system reliability principles and modern tools to address reliability challenges. Students participate in experiments and projects.

EE 512 (3) Sustainable and Clean Energy Systems
Explores alternative energy technologies, economic evaluation, and policy issues. Students work on experiments and projects to apply knowledge.

EE 520 (3) Fundamentals of Nuclear Engineering
Provides an overview of nuclear engineering concepts, covering radiation, nuclear reactions, reactor theory, and nuclear power engineering. Students learn about technical and policy aspects.

EE 521 (3) Nuclear Protection and Safety
Focuses on radiation protection, risk assessment, dosimetry, and safety standards. Students plan and complete a relevant project.

EE 522 (3) Nuclear Radiation Detection Instrumentation
Covers radiation detection principles, electronics, instrumentation, and applications. Students learn through lectures and hands-on activities.

EE 595 (3) Special Topics in Electrical Engineering
Explores specialized topics in electrical engineering, including indigenous approaches, through projects, guest speakers, and readings.

EE 699 (3) Master's Thesis
Helps students develop a master's thesis proposal addressing electrical engineering issues impacting communities. Includes research methods and direction on thesis development. Required for a student working and receiving direction on a master's thesis for a minimum of 6 credit hours.

INDUSTRIAL ENGINEERING

ENGR 501 (3) Principles of Indigenous Engineering

This course is focused on introducing students to the principles of indigenous and non-indigenous industrial engineering, while examining the history and foundation of engineering. Students will explore the industrial, manufacturing and system engineering profession; particularly the differences in sub-fields; career opportunities, including working in national laboratories; and become aware of the tools and resources used in industry.

ENGR 503 (1) Engineering Seminar

This course is focused on presentations and discussions by faculty, guest speakers, and graduate students on current topics in industrial, manufacturing, and system engineering as it relates to global, national, and local indigenous community issues. The oral presentation of engineering concepts is a fundamental communication tool that students will employ throughout their professional careers. In this course, students will learn about Navajo Engineers' lived experiences and current trends in electrical engineering. They will participate in five activities that will hone their research and presentation skills: observation, question development and asking, critique of presentations, short research paper, and subsequent presentation. Exploration of industrial, manufacturing and system engineering careers, research topics, and fellowships through presentations by faculty members, graduate students, and invited speakers from government labs and industry.

IE 513 (3) Data analysis

This course covers the core concepts, theory, algorithms and applications of data analysis. Students will learn different feature selection, classification, regression, clustering, data simulation & modeling techniques. Students will be expected to write codes in standard programming languages (e.g., MATLAB, Python and R). *Prerequisites: Graduate level student*

IE 515 (3) Advanced Operations Research

This course will cover advanced topics in different linear optimization models include simplex, revised simplex, dual, and primal-dual algorithms, sensitivity, duality theory, decomposition, linear complementarity problem, assignment and transportation problems, and Karmarkar's algorithm. Application domains are transportation, networks, logistics, manufacturing, service systems scheduling, and supply-chain management. *Prerequisite: IE 453*

IE 517 (3) Engineering Optimization

This course will cover optimization methods for solving engineering problems. The topics will cover are local and global optimum, linear and no-linear optimization, constrained and unconstrained optimization, KKT condition, multiobjective optimization, and nature inspired heuristics algorithms. *Prerequisite: IE 515*

IE 533 (3) Reliability Engineering

Study and application of probability and statistics for reliability analysis of products, processes and services: life distributions, reliability functions, reliability estimation, redundancy, maintainability, parametric reliability models, nonparametric models, accelerate life testing, reliability improvement. *Prerequisite: ENGR 236*

IE 535 (3) Advanced Statistics

This course covers analysis of variance (ANOVA), multivariate ANOVA (MANOVA), hypothesis testing, curve fitting, regression, response surface methods, design of experiments, Principal component analysis (PCA), Linear discriminant analysis (LDA), Taguchi method in engineering design. *Prerequisite: IE 363*

IE 537 (3) Advanced Quality Control

The topics of quality assurance and control course includes total quality management, quality by design, process improvement & six-sigma, quality strategies, benchmarking, control charts, acceptance sampling, engineering process control, and quality audits. Software requirements: R and Minitab. *Prerequisite: IE 413*

IE 523 (3) Additive Manufacturing

The course will cover topics related to polymer, ceramic, metal and composite based additive manufacturing (AM) includes evolution of AM; design for AM; AM technologies, devices, capabilities, and materials; AM process parameter analysis; tool path generation algorithms; medical, aerospace and automobile applications of AM processes.

IE 525 (3) Advanced Manufacturing Processes

The students will learn the importance of advanced manufacturing and its huge role in global product development and innovation, and its processes capabilities, materials, and applications. You will learn various related software tools, processes, and techniques, such as 3D scanning, injection molding and casting. Explore a broad range of additive manufacturing applications, including biomedical, aerospace, and consumer products. Latest trends and opportunities in additive manufacturing processes: *Pre Requisite: IE 343*

IE 527 (3) Advanced Manufacturing Systems

This course will introduce students to overall pictures of modern manufacturing systems, and teamwork, design, planning and management to achieve more efficient production. Topics in lean manufacturing systems, nanotechnology, composites manufacturing systems, and cyber manufacturing systems are also will be covered.

IE 543 (3) Systems Engineering Management

Techniques and tools for systems engineering management. Topics include complex system planning and development, technical management, organizational environments, technical team structures, time and cost estimates, cost control, resource allocation and project management.

IE 545 (3) Advanced Production and Inventory Control

Study of theories and applications of production planning and inventory control systems including demand forecasting, master scheduling, materials requirements planning, job scheduling, assembly line balancing, aggregate planning, Inventory control with known/unknown demand and JIT. Prerequisite: IE 473

IE 547 (3) Manufacturing Facilities Planning and Design

Theory and application of plant location selection methods, process integration, material handling operations, facility layout, warehouse operations, computerized plant layout methodologies for modern manufacturing facilities.

IE 699 (3) Master's Thesis

This course is focused on the development of the students' master's thesis proposal. Students are expected to demonstrate independent mastery by proposing a solution to an industrial engineering problem that impacts an indigenous community, society, and the planet. The course will explore different ways of finding information, defining the scope of a project and conducting research to include indigenous methods and approaches. It is required for a student working and receiving direction on a master's thesis for a minimum of six (6) credit hours. Students are required to register for three (3) credit hours of thesis in semesters three and four.

ENGR 502 (3) Community-Based Research Methodologies

This course is focused on community-based research methodologies for industrial, manufacturing and system engineers who are interested in conducting research projects that are developed in collaboration with indigenous communities and organizations. Throughout the world, indigenous communities in the past have been subjected to extractive research practices over which they have had little or no control, and in some places, those practices continue today. Students will learn community-based research methods and approaches aligned with communities' needs and aspirations to improve their life through innovative and partnered ways. In addition, students will also learn about typical research methods for engineers and be able to conduct a needs assessment project related to an industrial, manufacturing and system engineering need within a community.

ENGR 504 (3) Integrated Research Fellowship

This integrated research fellowship is designed to provide students with a training opportunity at approved locations in industry, government, communities. All fellowships must include a research component as well as training and supervision. This valuable work experience provides with an opportunity to develop engineering skills in an off-campus setting to include indigenous communities. Specifically, this experience is designed to prepare students for engineering employment after completing their graduate studies. Arrangements for the preapproval of the fellowship course is necessary. At the conclusion of the fellowship, students must provide a final report, and location supervisors will be required to send reports to university instructors.

ENGR 505 (3) Community-Based Research Fellowship

This community-based research fellowship is designed to provide students with an opportunity to

conduct research in indigenous communities. All projects must be focused on conducting a semester-long research project or expanding a project from the needs assessment that was conducted in ENGR 502. This valuable experience will provide students with professional training in engineering skills and research experience in an off-campus community setting. This experience is designed to prepare students for engineering employment after completing their graduate studies. Arrangements for the preapproval of the research is necessary. Students are required to seek support from other students and community engineers, experts, and key community stakeholders during their projects.

MANAGEMENT INFORMATION SYSTEM

MIS 500 (3 Credits) - Management Information Systems and Careers
Leadership and collaboration in skill-building for students to achieve high levels of success in graduate studies. Students will develop important skills that will help them personally and professionally: **Leadership**, **Collaboration** , or **Professional Communication**. Knowledge and resources essential for academic success at Navajo Technical University at the graduate level including academic writing, online learning, information technology, advising, and support services.

MIS 510 (3 Credits) - Ethics and Strategic Management in Organizations
This course introduces students to the uses of information systems (IS) as strategic resources that enable business strategies. A major concern of businesses is the search for competitive advantage and how to best leverage IT resources to achieve business goals. For IT and business managers, this raises a number of complex issues that are often poorly understood. These issues include the alignment between IT and strategy, governance of IT resources, and IT-enabled competitive advantage, among other topics. In this course, theories, ethics, and practices related to the value of IT and IS are presented and explored. Students learn about and discuss business, ethics, and IT strategy processes that lead to successful organizations.

MIS 515 (3 Credits) - Business Intelligence & Data Analytics
This course provides a conceptual and practical overview of analytical tools, techniques, and practices used to support data-driven decision-making in an organization. Students will have gained an understanding of how business professionals can use analytics techniques to formulate and solve relevant problems and how they use analytics to support decision-making. Students will learn the principles of developing, reporting, and analyzing business data.

MIS 520 (3 Credits)- Business Foundations and Financial Management
This course will incorporate various business foundations in support of preparing the business professional to think strategically, creatively, critically, and financially about the use of information systems in business settings. This course will include information technology solutions to support the competitive needs of organizations and business processes. Also, the information system solutions have to support the financial well-being of an organization as well as its responsibility to various stakeholders.

MIS 525 (3 Credits) - Systems Requirements, Network, Analysis & Design
The primary objectives of this course are to introduce participants to concepts and techniques for analyzing problems and designing information systems that address those problems. Through team projects, students will develop an understanding of the systems development life cycle, the systems analyst's roles and responsibilities, and the interpersonal skills necessary to analyze business problems. Both managerial and technological aspects of systems design and implementation, including the process of planning and post-implementation assessments. Emphasis is on a total systems solution rather than software alone. Students will study systems from the analysis through the implementation phase. Upon completion of the course, students will understand how to identify and refine requirements, as well as how to complete process, data, and logic modeling within an object-oriented analysis framework.

MIS 530 (3 Credits) - Information Security, Risk Management, Disaster Recovery & Assurance
Information assurance is concerned with protecting the reliability of information and managing risks

related to the use, processing, storage, and transmission of information or data. It includes securing the systems and processes that house and manipulate the data as well. Students will learn how to identify applicable cybersecurity risk mitigation models and apply them in an organizational context. Students will develop the knowledge and skills needed to make recommendations related to the choice of risk mitigation security controls and to provide oversight for the implementation of those controls within information technology and business solutions.

MIS 535 (3 Credits) - Cloud Platform & App Builder
This course offers a practical foundation in cloud computing and hands-on experience with the tools used in cloud computing and the architecture and security associated with cloud computing. The emphasis is placed on crucial development and design which lead to cloud computing adoption and issues associated with cloud computing governance. Additional topics will include the principal areas of cloud architectures, cloud security, cloud governance, cloud storage, cloud virtualization, and cloud capacity. This course will cover internet advancement that led to the cloud and how cloud applications revolutionized Web applications.

MIS 540 (3 Credits) - Managing Technology & People in the Organizations
This course focuses on current information systems, and social and economic issues related to business needs. The course will include the foundations for designing, developing, and deploying large-scale management information systems. Students will investigate the role of information technology in an organization—mainly the collection, storage, and distribution of information for operations, planning, and decision-making. Students will also cover technical and process work in a human context, focusing on issues and effects in a broader domain. Topics include organizational behavior and change; intellectual property issues; ethics, professionalism, and social impact; and privacy and security.

MIS 545 (3 Credits) - Database & Content Management Systems
This course focuses on the design of information systems from a data perspective for information technology and business applications; data modeling, including entity-relationship (E-R) and

object approaches; and data sharing; essential concepts of database management systems (DBMS) and their applications; alternative data models, with emphasis on relational design; SQL; data normalization; data-driven application design for personal computer, server-based, enterprise-wide, and Internet databases; and distributed data applications.

MIS 555 (3 Credits) - Project Management
The course covers key components of project management including the role of the project manager, the initiating stage, the planning stage, project scope and time management, project cost, quality, and procurement management, the executing stage, project human resource, communications, and stakeholder management, monitoring and controlling stage, project risk management, closing stage, alternative approaches to project management. *Prerequisite: MIS 500 – Senior Standing.*

MIS 560 (3 Credits) - Digital Marketing and Commerce
This course addresses how to design and implement the best combination of marketing efforts to carry out a business strategy in its target markets. This course will cover the understanding of how the business can benefit by creating and delivering value to its customers, and stakeholders, and skills in applying the analytical concepts and tools of marketing to such decisions as segmentation and targeting, branding, pricing, distribution, and promotion. Business and consumer behavior and the way organizations respond to such behavior through the planning, pricing, promotion, and distribution of goods and services.

MIS 565 (3 Credits) - Capstone Project
Individuals or teams of students work together for one semester to address a problem presented by a local or surrounding entity preferably a Native American entity or company. The teams interview clients and potential systems users, conduct market research, and translate client needs into a requirements document.

MIS 570 (3 Credits) - Internship
The purpose of the course is to provide students with a format for reflection while performing a professional internship that enhances students ability to achieve career objectives. This is an opportunity to put academic learning into practice while immersed in a business setting. Increase professional skills and enhanced ability to recognize preferences and abilities and match them with appropriate career-related choices.

PHD IN DINÉ CULTURE AND LANGUAGE SUSTAINABILITY

NAV 701 (1)   Introduction to Graduate Studies

Introduction to Graduate Studies is a one-credit, distance-delivered class taught by NTU graduate faculty that provides introductory information regarding campus resources (e.g., the Institutional Review Board, the library, internet resources) and professional development for graduate students. Required for PhD students in the DCLS program. Pass/Fail.

NAV 705 (3) Introduction to Linguistics

Introduction to the field of linguistics, including basic analytical areas: phonology, syntax, morphology, language acquisition, psycholinguistics, and historical linguistics, as well as applied areas such as language pedagogy and language revitalization. *Prerequisite for all Linguistics classes unless the student has previous background; may be taken concurrently with NAV 711, Phonetics and Phonology.*

NAV 711 (3)   Phonetics and Phonology

Introduction to articulatory and acoustic phonetics, sound systems, and phonological alternations. Students will analyze and present speech samples and phonological examples from languages they speak themselves or are learning. *Prerequisites: NAV 250 or NAV 705, equivalent transfer, or permission of instructor*

NAV 712 (3) First and Second Language Acquisition

Introduction to the study of language acquisition and learning - how babies start to talk, and how older children and adults can learn a new language, in and out of the classroom. Students will be required to teach each other lessons from the languages they speak or are learning. *Prerequisites: NAV 711, Phonetics and Phonology*

NAV 714 (3) Language Endangerment and Language Revitalization

Overview of patterns of language shift worldwide and in North America, and survey of revitalization efforts: their goals, strategies, and successes. *Prerequisites: NAV 250 or 705 (intro to linguistics)*

NAV 720 (3)   Morphology and Syntax

Introduction to morphological and syntactic description. Students will be encouraged to analyze materials in languages they speak or are learning, including published and unpublished written texts or examples they produce themselves. *Prerequisites: NAV 711, Phonetics and Phonology*

NAV 724 Language Policy and Planning-ELECTIVE

Approaches to intentional language change. History of governmental language policies and their impact, and study of intentional language change in communities where languages are endangered by language shift. Students will model policies and their intended and unintended effects. *Prerequisites: NAV 705 (Linguistics intro) or 250 (Undergrad linguistics intro). This class may be of interest to non-majors.*

NAV 725   Linguistic Field Methods

Approaching field study of a language, including the following foci: ethical considerations beyond the IRB; approaching as a community member or as an outsider; learning the concerns and goals of the community you work in; doing your homework before you go; making and keeping friends; sharing your results; recording, analyzing and archiving your materials. *Prerequisites: NAV 711, 712, 720 (Phonology, Syntax, Acquisition)*

NAV 730 Topics in Linguistics/Dine Studies/Anthropology/Sociology-ELECTIVE

Topics for this class will vary depending on student needs and availability of visiting instructors. Topics may include advanced or specialized areas of linguistics, sociology, and anthropology. May be repeated for credit.

NAV 751 (3) Theories of Diné Culture & Social Changes

Theoretical exploration of changes within the Diné nation since the 19th Century will be examined. How is change impacting the various generations of people, what kind of changes are being experienced, where do they tend to emerge, why are changes necessary, and who seems to be affected directly and indirectly.

NAV 761 (3) Theoretical, Empirical & Analytical Research of Diné Culture

Research methods used within the field of cultural studies focus on theories, empirical and analysis, including ethnography, the distinctive tool of the field, includes research design, data collection, and quantitative and qualitative analysis. Ethics and pragmatics of research are discussed, including research funding and proposal writing.

NAV 771 (3) Diné Community Engaged Cultural Research

In this course, each student will develop a local, cultural, and tribal-appropriate protocol for conducting research at home. This will include how to conduct ethnographic work from a non-Western perspective in planning, interviewing, data collection, and so forth.

NAV 781 (3) Quantitative Research Methods in Diné Culture

This course introduces students to quantitative research methods in cultural inquiry; and focuses on the analysis of categorical data including percentage tables and measures of association, as well as analysis of continuous data using regression models, including dummy variables, graphical tools, and assessment of supporting diagnostics. *Prerequisites: A graduate-level statistics course is required.*

NAV 782 (3) Qualitative Research Method in Diné Culture

This course introduces students to qualitative research methods in cultural inquiry; and focuses on interviews and focus groups as data collections, as well as analysis from a culturally appropriate model, and framework, and making space for traditional storytelling. *Prerequisites: Graduate Research Methods*

NAV 783 (3) Mixed Methods Research-Elective

Advanced research that integrates qualitative and quantitative approaches, methods, and data in a single study. This course integrates the Diné cultural paradigm, Diné ways of knowing, and Diné storytelling into qualitative and quantitative questions, methods, and interpretive strategies that can be combined. *Prerequisites: NAV 781 and NAV 782*

NAV 791 (3) Decolonization Research Methodology

The goals of this graduate seminar are multiple:

First, we will critically examine the ways in which research has been conducted and how research methodology has been taught in cultural studies, i.e., anthropology, sociology, history, and so forth. **Second**, we will, drawing on the work of indigenous scholars and critics of the colonial nature of cultural studies practice and discourse, attempt to theorize new forms of social inquiry that do not replicate the historic injustices of anthropological research (as an example), representation, and the material consequences of the two. **Third**, we will critically examine the assumed relationship between European social theory and the lived experiences of Diné people living within Diné Nation. **Finally**, each student will produce a draft of a dissertation research proposal.

NAV 792 (3) Diné Sovereignty Data Management

This course introduces students to tribal data management, who owns the data and looks at best practices from various tribes that have implemented data management at a tribal level. How does the Navajo Nation seek to protect their cultural and proprietary information from outside sources/researchers.

NAV 799 (3) Dissertation

The Dissertation Course is the culmination of the Ph.D in Dine Culture and Language Sustainability program. This course is designed to guide and support students through the final stages of their doctoral journey, allowing them to conduct original research, demonstrate their mastery of the subject matter, and contribute to the field of Dine culture and language sustainability. This course emphasizes independent study, critical thinking, and the application of advanced research relevant to the field. Research towards the end of the completion of the doctoral dissertation. *Repeatable.*

Approved by Navajo Technical University Faculty and Its Officers, this day

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President of the Faculty Congress

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Approved by the Dean of Graduate Studies on this day.

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Dean of Graduate Studies

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Approved by the President of Navajo Technical University on this day

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President of Navajo Technical University

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Approved by the NTU Board of Regents on this day _____ pursuant to Resolution of the NTU Board of Regents NTU.

ADMINISTRATION/FACULTY

Casmir I. Agbaraji, PhD
Dean of Undergraduate Studies
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University of Oklahoma

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E-Learning
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