

Annual Student Learning Report 2021

**Student Learning
Navajo Technical University**

General Education

- ❖ In Fall, 2020, Goal One courses were assessed in Communications, English, Navajo, and Zuni. In Spring, 2021, Goal Two courses were assessed in Math and Science.
- ❖ Goal One course assessment compliance: Communications = 6/7; English = 15/15; Navajo & Zuni = 11/16. Total percentage = 84%.
- ❖ Goal Two course assessment compliance: Math = 13/14; Sciences = 12/17. Total percentage = 81%.
- ❖ Detailed data summaries with course improvements are spelled out in the following pages from Google Sheets screen shots.

Certificate & Degree Programs

- ❖ In AY21, faculty used Google Drive templates for program design and assessment.
- ❖ Program designs and assessment plans were organized in two-page assessment plan templates in Google Docs.
- ❖ Student Learning Reports were organized at the end of the annual assessment cycle, in Spring semester, also in Google Docs.
- ❖ The status of completing the feedback loop for most degree programs is summarized by School on the following pages.

PROGRAM ASSESSMENT SCORECARD
School of Applied Technology
 Virgil House, Chair

Program	Instructors responsible	Deg	G dr	Mis	SLO	Msr	Tar	Fnd	Imp	PR'd
Automotive Technology	Kollas, Piechowski	AAS	√	√	√	√	√	√	√	√
Certified Driver's License	Woody	TC	√	√	√	√	√			
Construction Technology	Bebo, J. Lee, Quashie	AAS	√	√	√	√	√			
Electrical Trades	House	VC	√	√	√	√	√	√	√	√
Energy Systems	D. Lee	AAS	√	√	√	√	√			
Hotel & Restaurant	Chapa, Tatsukama	BAS	√	√	√	√	√			
Professional Baking	Cloud, Jones	AAS	√	√	√	√	√			
Welding Technology	Clary, Storer	VC	√	√	√	√	√	√	√	√

√ indicates program element is in place

G dr=program folder is set up in Google Drive Mis=Mission SLO=Student Learning Outcomes Msr=Measures Tar=Targets Fnd=Findings Imp=Improvements. PR'd=Peer reviewed

PROGRAM ASSESSMENT SCORECARD
School of Arts and Humanities

Dr. Dianna Dekelaita-Mullet, chair

Program	Instructors responsible	Deg	G dr	Mis	SLO	Msr	Tar	Fnd	Imp	PR'd
Counseling	Goodwin, Dekelaita-Mullet	AA	√	√	√	√	√	√	√	√
Creative Writing/ New Media	Bunn, Moore, Louis, Roastingear, Wheeler,	BFA	√	√	√	√	√	√	√	√
Early Childhood/ Multicultural Education	Hunter, Lowsayatee, Tsebetsaye, Tom	BS	√	√	√	√	√	√	√	
General Studies	Bales	AA	√	√	√	√	√	√	√	√
Law Advocate	Hibbard, Natay, Yazzie	AAS	√	√	√	√	√	√	√	√

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PROGRAM ASSESSMENT SCORECARD

School of Business

Christine Reidhead, Chair

Program	Instructors responsible	Deg	G dr	Mis	SLO	Msr	Tar	Fnd	Imp	PR'd
Accounting	Harrison-Woody	AAS	√	√	√	√	√			
Admin Office Assistant	Quink	VC	√	√	√	√	√	√	√	√
Bookkeeping	Harrison-Woody	VC	√	√	√	√	√			
Business Administration	Reidhead	BBA	√	√	√	√	√	√	√	√
Public Administration	Rochester	AAS	√	√	√	√	√	√	√	√

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PROGRAM ASSESSMENT SCORECARD
School of Diné Studies

Sharon Nelson, Chair
 Dr. Wesley Thomas, Dean of Graduate Studies

Program	Instructors responsible	Deg	G dr	Mis	SLO	Msr	Tar	Fnd	Imp	PR'd
Diné Language, Culture, & Leadership	Thomas	MA	√	√	√	√	√			
Diné Language, Culture, & Leadership	Chicag, Desidero, Nelson, Nez	BA	√	√	√	√	√	√	√	√

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PROGRAM ASSESSMENT SCORECARD
School of Engineering, Math, and Technology
 Dr. Gholam Ehteshami, Chair

Program	Instructors responsible	Deg	G dr	Mis	SLO	Msr	Tar	Fnd	Imp	PR'd
Adv Manu Tech	Halliday, Shanmugam, Yellowhorse	BAS	√	√	√	√	√	√	√	√
Build Info Modeling	Vellingiri, Whiting	AAS	√	√	√	√	√			
Chemical Engr	Ehteshami	AAS	√	√	√	√	√	√	√	√
Computer Science	Stomp	AS	√	√	√	√	√	√	√	√
Electrical Engr	Alboaouh, Arumugam, Romine	BS	√	√	√	√	√	√	√	√
Engr Technology	Fakron	AAS	√	√	√	√	√	√	√	√
Industrial Engr	Ramoni, Whiting	BS	√	√	√	√	√	√	√	√
Information Tech	Louis, Ragavanantham, Thomas, Trebian	BS	√	√	√	√	√	√	√	√
Info Tech/New Media	Louis	BAS	√	√	√	√	√	√	√	√
Mathematics	Han, Illafe, Lewis, Paez-Paez, Vanguardia	AS	√	√	√	√	√	√	√	√
Mechanical Engr	Shanmugam, Yellowhorse	BS	√	√	√	√	√			

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PROGRAM ASSESSMENT SCORECARD

School of Science

Dr. Thiago Soundappan, Chair

Program	Instructors responsible	Deg	G dr	Mis	SLO	Msr	Tar	Fnd	Imp	PR'd
Biology	Anyangewe, Netongo	BS	√	√	√	√	√	√	√	√
Environmental Science & Natural Resources	Chischilly, RoyChowdhury	BS	√	√	√	√	√	√	√	
Nursing Assistant	Claw, Goodluck, Pacheco	VC	√	√	√	√	√	√	√	√
Veterinary Technology	Daye, Louis, Stevens	AAS	√	√	√	√	√	√	√	

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PROGRAM ASSESSMENT SCORECARDS

Summary of Program Assessment Scorecards

Schools	# programs	# completed feedback loop	% completed feedback loop
Applied Technology	8	3	38%
Arts & Humanities	5	5	100%
Business	5	3	60%
Diné Studies	2	1	50%
Engineering, Math, & Technology	11	9	82%
Science	4	4	100%
TOTAL	35	25	71%*

*AY20 = 67.7%

AY19 = 30.0%

AY18 = 37.0%

Co-curricular Development & Learning

The mission of NTU's Co-Curricular program is to provide value to the Diné community through research, community engagement, service learning, and projects that foster cultural preservation, environmental sustainability, and economic development.

Activities in AY21 were limited due to Covid-19 but will resume in AY22.

Sample of Improvements

- ❖ Modify SLR template to include box to report implemented improvements.
- ❖ Complete design of measures for all program outcomes.
- ❖ Assess all program-level outcomes.
- ❖ Organize program-wide conversations about student-learning involving all program faculty across all NTU sites.
- ❖ Coordinate AAS and BS program design and assessment.
- ❖ Stress attendance.
- ❖ Consider consistent use of rubrics in next assessment cycle.
- ❖ Modify curriculum to include mandatory labs for programming classes.

Opportunities for More Improvement

Academic Improvements

- ❖ Implement Department Chairs Academy (week before Fall Convocation).
- ❖ For programs implemented across NTU sites, identify a lead faculty member who will coordinate program design, curriculum, assessment, and reporting activities. Ensure that adequate release time is made available for this additional teaching work.

More Opportunities for Improvement

GenEd Process Improvements

- ❖ Have faculty design and post online model syllabi for each GenEd course. Ensure the use of these syllabi at each NTU site.
- ❖ Implement data analysis process for appropriate program goals in Fall, 2021 and Spring, 2022.
- ❖ Work with Provost's Team to identify administrative group responsible for GenEd program coordination and development.

More Opportunities for Improvement

Program Assessment Process Improvements

Revise NTU's academic calendar so that designated dates provide opportunities for department- and program-level work on academic planning and program improvements.

More Opportunities for Improvement

Co-Curricular Process Improvements

Have Student Learning Committee actively oversee Co-Curricular design, implementation, and assessment.

One More Opportunity for Improvement

Administrative Improvements

Take responsibility to prepare for HLC Comprehensive Evaluation, in Spring, 2022, as an opportunity to cross-train and build capacity to promote thoughtful program planning, implementation, and ongoing improvement.