The Bridging Arizona Native American Students to Bachelor’s Degrees (Bridges) at Northern Arizona University is a summer program designed to offer tribal/community college students with collegiate research opportunities. Students will collaborate with a faculty mentor and other research students in a University research setting. This ten week summer program will allow the student to develop research methods and skills on a university scale. This unique program is sponsored by the National Institute of General Medical Science (NIGMS).

The program will include unique opportunities such as:

1. **Laboratory procedures.** Introduction to laboratory, computer, and data analysis skills necessary for students with a career interest in science. Students will learn basic lab and research skills e.g. quantitative measurement, working with glassware, basic lab safety, etc.

2. **Weekly University class meetings focused on professional development.** Students will enroll in an NAU summer course with program staff to develop professional skills applicable to their research and prepare for the University transition. Students will earn 3 University credits for this class.

3. **Individual research projects.** Students will work with their mentors and other lab students to research topics related to biomedical science or behavioral health.

4. **Faculty Mentorship.** Students will receive research guidance and 1-on-1 mentoring from an NAU Faculty Member to develop a research project within the Faculty Mentor’s area of expertise.

5. **Presentation(s) of research.** Students will receive assistance in creating an abstract and poster for presentation at the end of the program poster session.

6. **National Conference.** Students will have the opportunity to present findings of research at a national conference like AISES or SACNAS.

7. **Digital Story.** Students will create a digital story of their summer experience at NAU which will be shared publicly.

**Past research topics include:**

- **Environmental Health** - Characterizing the Concentrations of Uranium in Soft Tissues of Sheep, 2017.


- **Immunology** - Role of Ethanol in Macrophages with *Pseudomonas aeruginosa* Infection, 2015.

- **Genetics** - Identifying MicroRNA Polymorphisms Native Americans 2016.

- **Social and Behavioral Science** - An Evidence-Based Approach to Preventing Type 2 Diabetes on the Navajo Nation, 2016.

- **Health Science** - Physical Activity and Cancer among Native American Cancer Survivors, 2016.
Part I – GENERAL INFORMATION

Name: (Last, First, MI) □ Male □ Female

Email Address: Date of Birth:

Tribal Affiliation: (Must provide a copy of CIB or Tribal ID)

Will you need summer housing at NAU? □ YES □ NO

CURRENT ADDRESS
Street or P.O. Box #:

City: State: Zip:

Contact numbers
Telephone: ( )
Message: ( )

SUMMER ADDRESS □ check here if same as current address
Street or P.O. Box #:

City: State: Zip:

Contact numbers
Telephone: ( )
Message: ( )

Please inform us about any allergies, physical disabilities, medical conditions or transportation problems:

Have you been convicted of a felony or DUI within the past 7 years? □ YES □ NO

Part II – EDUCATIONAL BACKGROUND

College currently attending: Cumulative GPA:

Address: City: State: Zip:

Year in School: College Major:

List any honors or awards you have received:

List clubs or associations you are affiliated with:

List other extracurricular activities:

Check computer applications you are familiar with: □ Word □ Excel □ Power Point □ Data base searches for journal articles

Have you applied to NAU? □ Yes, when? □ No Are you a CCC2NAU student? □ Yes □ No

Do you plan on applying to a 4 year institution? □ If yes, indicate when and where? □ No
Part III – SCHOOL TRANSCRIPT
Please send all unofficial college transcripts from all colleges attended to: Sheena Hale, P.O. Box 5659, Flagstaff, AZ 86011 or Sheena.Hale@nau.edu

Part IV – PERSONAL STATEMENT
Please attach a Personal Statement highlighting your education and career goals and include how a summer research experience will help you achieve those goals. (1-2 pages, Typed, Double-Spaced, 12 pt. font, Times New Roman)

Part V – RESEARCH INTEREST TOPICS
Please list four research topics you are interested in. We will do our best to match you with your indicated research interests.

1) 

2) 

3) 

4) 

A completed application includes the following:

1) Completed Form
2) Copy of all unofficial college transcripts
3) Personal Statement
4) A copy of CIB (Certificate of Indian Blood)
5) Two recommendation forms (sent separately by the recommender)

Incomplete applications will not be accepted

Deadline: Friday, March 22

Send all materials to:
Sheena Hale
P.O. Box 5659
Flagstaff, AZ 86011
-or-
Sheena.Hale@nau.edu

For any other questions or additional program information, please feel free to contact:
Sheena Hale - Sheena.Hale@nau.edu/ (928)523-8380
Jani Ingram - Jani.Ingram@nau.edu/ (928)523-7877

More information and past research abstracts can be found on the Bridges website: http://nau.edu/bridges
**Part VI – RECOMMENDATION FORM**

<table>
<thead>
<tr>
<th>Student's Name: (Last, First, MI)</th>
<th>Student's Phone Number:</th>
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<tbody>
<tr>
<td>Student's Email:</td>
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</tr>
<tr>
<td>Recommender’s Name:</td>
<td>Department:</td>
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</tbody>
</table>

**TO THE RECOMMENDER:**

The applicant named above is applying for a position as a summer research student in the NAU Bridges Program. The purpose of the 10-week program is to develop research interests and skills among Native American tribal/community college students.

Please complete the information requested on this form. Your comments will be confidential. Your candid completion of this recommendation form is greatly appreciated.

<table>
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<tr>
<th>How do you rate the Applicant?</th>
<th>Not observed</th>
<th>Requires reinforcement in this area</th>
<th>Performs adequately in this area</th>
<th>Does well in this area</th>
<th>Accomplished in this area</th>
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<td>5 being the best student you have encountered.</td>
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- Intellectual & Reasoning Ability
- Academic Performance Maturity
- Initiative
- Responsibility
- Attention to Detail
- Oral Communication Skills
- Written Communication Skills
- Motivation and Effort
- Cooperation & Teamwork
- Computer Skills
- Research interests
Please add your comments, including an assessment of the applicant’s potential performance as a summer research student. Please include previous accomplishments, intellectual independence, capacity for analytical thinking, ability to organize and express ideas clearly and creatively, motivation, and scholarly potential. If you need additional space for your comments, please attach to this form.


Please indicate your overall assessment of the applicant:

☐ Endorse  ☐ Endorse with reservations  ☐ Do not Endorse at this time

Recommender’s Name (Print or Type):

Title:

School or Agency:

Address:  City:  State:  Zip:

Telephone Number: ( )  Email Address:

Signature:  Date:

Thank you for your assistance.

To the recommender: please send to Sheena Hale
Mail: PO Box 5659, Flagstaff, AZ, 86011  Fax: (928)523-7317  Email: Sheena.Hale@nau.edu
**Part VI – RECOMMENDATION FORM**

Student's Name: *(Last, First, MI)*

Student's Mailing Address:  
City:  
State:  
Zip:

Recommender’s Name:  
Department:

**TO THE RECOMMENDER:**

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Intellectual & Reasoning Ability  
Academic Performance Maturity  
Initiative  
Responsibility  
Attention to Detail  
Oral Communication Skills  
Written Communication Skills  
Motivation and Effort  
Cooperation & Teamwork  
Computer Skills  
Research interests
Please add your comments, including an assessment of the applicant’s potential performance as a student research intern. Please include previous accomplishments, intellectual independence, capacity for analytical thinking, ability to organize and express ideas clearly and creatively, motivation, and scholarly potential. If you need additional space for your comments, please attach to this form.

Please indicate your overall assessment of the applicant:

☐ Endorse  ☐ Endorse with reservations  ☐ Do not Endorse at this time

Recommender’s Name (Print or Type): ___________________________ Title: ___________________________

School or Agency: ___________________________________________

Address: ___________________________________________ City: ___________________________
State: ___________________________ Zip: ___________________________

Telephone Number (________) ___________________________ Email Address: ___________________________

Signature: ___________________________ Date: ___________________________

Thank you for your assistance.

To the recommender: please send to Sheena Hale
Mail: PO Box 5659, Flagstaff, AZ, 86011 Fax: (928)523-7317 Email: Sheena.Hale@nau.edu