

# Electrical engineering at Navajo Technical University

with Dr Peter Romaine

## Talking points

### Comprehension

1. What benefits does Navajo Technical University (NTU) provide for the Navajo Nation?
2. What benefits can electrical engineers provide for the Navajo Nation?

### Analysis

3. Why is it important that teaching at NTU is based on Diné philosophies and values?
4. Why is it important for students to be taught by educators they can identify with?
5. Why is it important that engineering issues in the Navajo Nation are addressed by Navajo engineers?

### Synthesis

6. Graduate programs at NTU could increase the number of Navajo lecturers. What other methods might help NTU employ more people from the Navajo Nation?

### Evaluation

7. How important do you believe tribal colleges are for increasing the self-determination of Native American tribes?

## More resources

- Learn more about Navajo culture from Navajo historian, Wally Brown: [www.youtube.com/@NavajoTraditionalTeachings](https://www.youtube.com/@NavajoTraditionalTeachings)
- The American Indian Higher Education Consortium provides information about tribal colleges: [www.aihec.org](http://www.aihec.org)

## Activities

### An electrical engineering graduate program at NTU

The electrical engineering graduate program at NTU began in January 2024. Imagine you are currently studying for an undergraduate degree in electrical engineering and you want to continue your studies through the NTU graduate program.

Write a one-page personal statement/application letter to Peter explaining why you want to be accepted into the graduate program. Your letter could include what you most enjoy about studying electrical engineering as an undergraduate student, what specific topics you hope to study on the graduate program and why, what skills you currently have and what skills you hope to develop as a graduate student, why NTU will benefit from having you as a student, your future career ambitions and how the NTU graduate program will help you achieve these goals.

### Promote electrical engineering

Design an eye-catching and engaging poster to promote careers in electrical engineering to your classmates. Include information (from the article and online) about what careers are available in the field, what educational pathways could lead to them, and how electrical engineers can address issues such as climate change and social justice.