



# ARTIFICIAL INTELLIGENCE IN THE CLASSROOM

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# Pathways & Pedagogy



# Pathways & Pedagogy

Degrees &  
Certificates



# Pathways & Pedagogy

Degrees &  
Certificates

Learning







# Pathway Work

## New Degrees

- Cybersecurity, AAS
  - Updating to incorporate new AI-focused courses.
- Cloud Computing, AAS
  - MLOps/AIOps Subspecialty



# Pathway Work

Cloud Computing, AAS, MLOps/AIOps

- Four new courses envisioned by Intel.
- One new course aligned with CompTIA Data+.
- One new course aligned with AWS Machine Learning certification.



# Pathway Work

Why not create a degree focused just on AI?

# Pathway Work



Most AI-focused work in job listings required cloud skills, too, for those lacking graduate degrees.



# Pathway Work

## New Classes within Two Years

- Four new AWS courses.
- Four new Intel-created courses (AI).
- One new CompTIA course (Data+).
- Four new cybersecurity courses.

# Pathway Work

## New Stackable Certificates

- New Cybersecurity Foundations, CC.
- New Applied AI, CC (upskill).
- New Advanced Cybersecurity, CC (upskill).

# Pedagogy Work

Realization that  
learning must continue  
to adapt to the times.



A You


At one college, the tuition for a full-time student is \$8,000 per semester. It has been announced that the tuition will increase by 3 percent each year for the next 5 years. Write a program with a loop that displays the projected semester tuition amount for the next 5 years.



ChatGPT

Here is a program that calculates the projected semester tuition amount for the next 5 years, with a 3 percent increase each year:

python

 Copy code

```
initial_tuition = 8000 # Initial tuition fee
rate_of_increase = 0.03 # 3% increase

# Loop to calculate the tuition for each of the next 5 years
for year in range(1, 6):
    tuition = initial_tuition * ((1 + rate_of_increase) ** year)
    print(f"Year {year}: ${tuition:,.2f}")
```



# Pedagogy Work



Students must know  
Python, but they must  
also know how to  
leverage these tools.



# Pedagogy Work



Our intro Python now  
focuses much more on  
the **process** than the  
**product**.



# Process Focused Rubric

- Demonstrate iteration
  - Frequent commits
  - Screen recordings
  - Duplicate cells
- Demonstrate understanding
  - Explain everything

Students Are Worth It 😊

