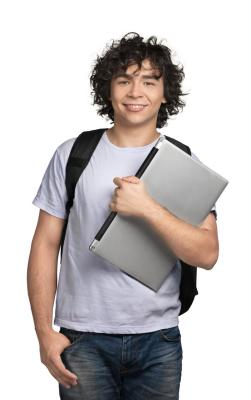


Pathways & Pedagogy



Pathways & Pedagogy

Degrees & Certificates

Pathways & Pedagogy

Degrees & Certificates

Learning

New Degrees

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

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.

Why not create a degree focused just on AI?



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

New Classes within Two Years

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

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.



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.

6 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

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 ©



