



OFFICE OF  
Educational Technology

# Reimagining the Role of Technology in Higher Education

A Supplement to the National Educational Technology Plan

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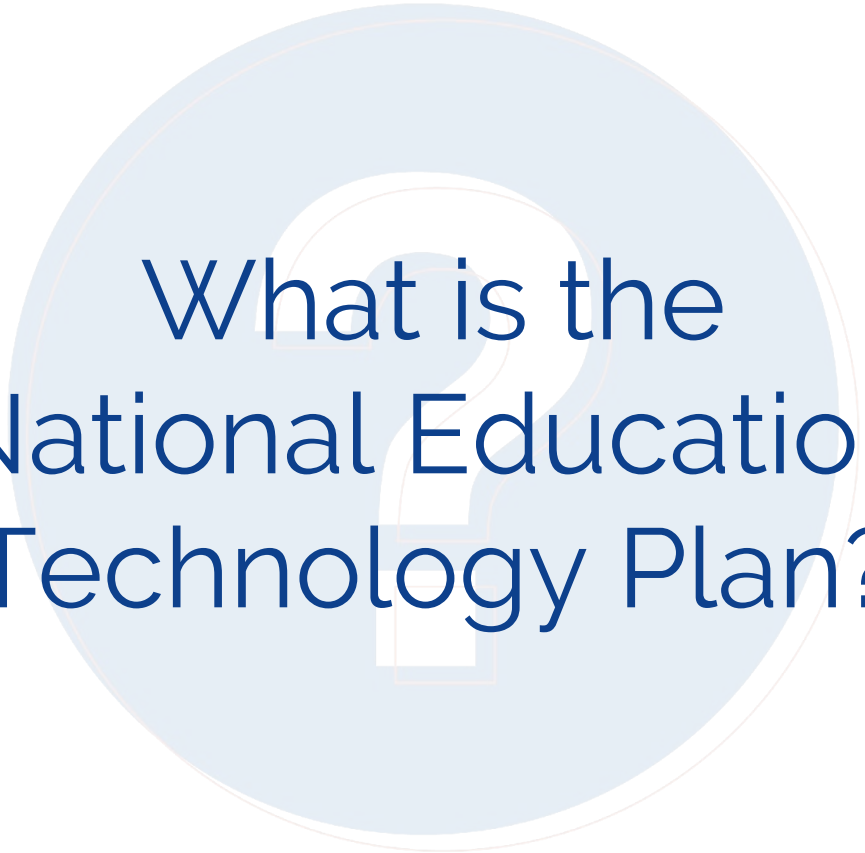
Office of Educational Technology • US Department of Education



@OfficeOfEdTech

@southjoseph | @thesharonleu

#HigherEdNETP



# What is the National Education Technology Plan?



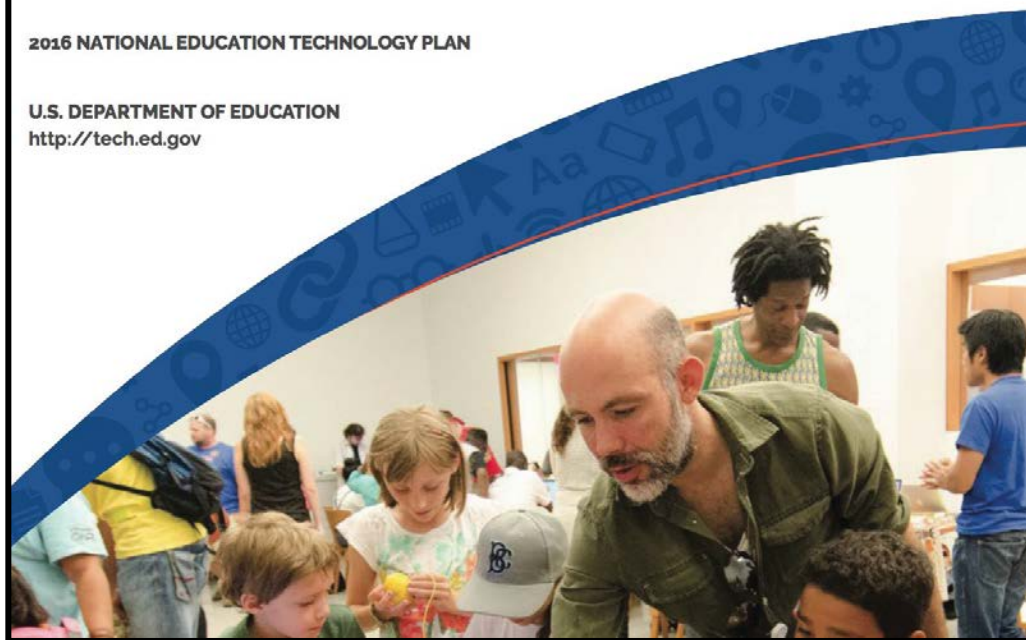
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# Future Ready Learning

Reimagining the Role of Technology in Education

2016 NATIONAL EDUCATION TECHNOLOGY PLAN

U.S. DEPARTMENT OF EDUCATION  
<http://tech.ed.gov>



→ A Vision

→ A Call to Action

→ A Collection  
of Examples

## THE NETP IS...



a call  
to action



a vision for learning  
enabled through  
technology



a collection  
of recommendations  
& real-world examples

## WRITTEN FOR...



Teachers



Policymakers



Administrators



Teacher preparation  
professionals

MAKING POSSIBLE ...

EVERYWHERE, ALL-THE-TIME LEARNING





# Why a Supplement for Higher Education?

# New Normal Student

Growing in Diversity

Working Adults  
Returning Veterans  
First Generation  
Low Income  
Minority  
Etc.

# 'New Normal' Students in Higher Education

**74%** of all undergraduate students have at least one nontraditional characteristic



**66%** transfer between institutions prior to completion

**62%** work either full or part time

**43%** attend part time

**28%** have at least one dependent

**35%** are enrolled in two-year colleges

**63%** are first-gen students

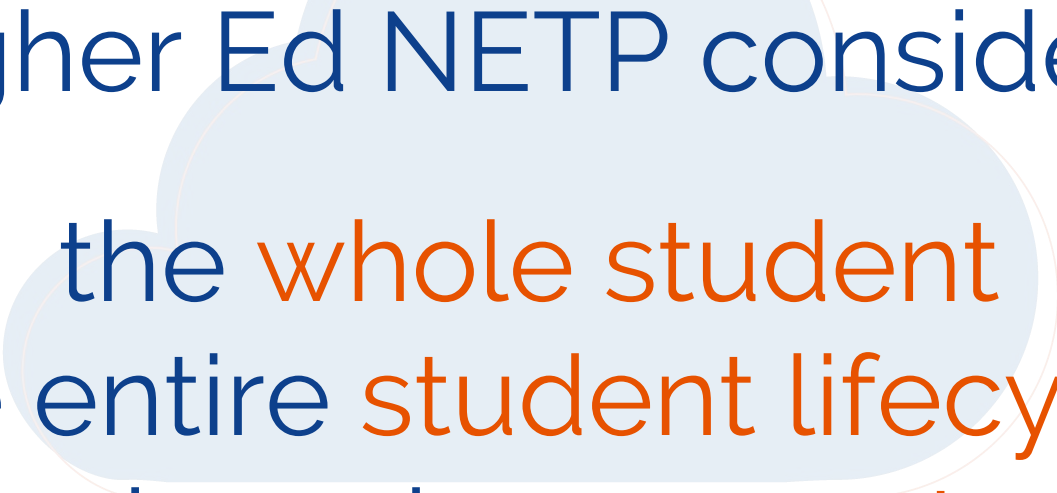
Source: National Center for Education Statistics. (2015).<sup>2</sup>

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# Technology Can Have Its Greatest Impact When Focused on Equity





Higher Ed NETP considers:

- the whole student
- the entire student lifecycle
- the broader ecosystem



# Key Goals

Fluid transitions

Collaboration across systems

Access, affordability, completion



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# Reimagining the Role of Technology in Higher Education

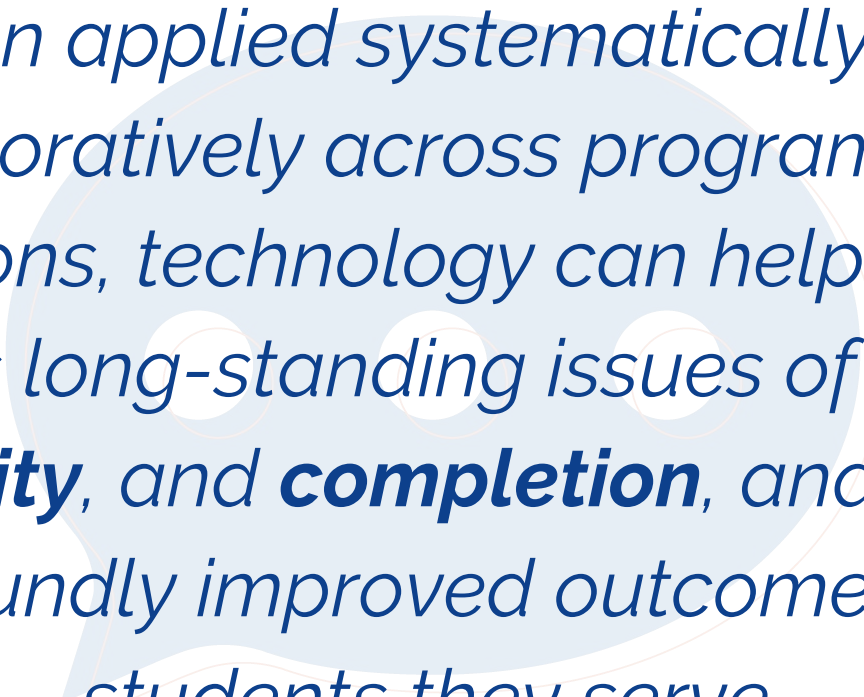
A Supplement to the  
National Education  
Technology Plan

JANUARY 2017



[tech.ed.gov/HigherEdNETP](https://tech.ed.gov/HigherEdNETP)

#HigherEdNETP



*When applied systematically and collaboratively across programs and institutions, technology can help leaders address long-standing issues of **access**, **affordability**, and **completion**, and can result in profoundly improved outcomes for the students they serve.*

# Higher Ed NETP



## Table of Contents

1. What is Higher Ed? A Student Prospectus
2. Transforming Our Ecosystem: Learning, Teaching, and Assessment
3. Systems that Support Student Success
4. Leadership that Enables Innovation and Change
5. The Future of Higher Education



# What is Higher Education?

# Student-Centered Higher Ed Ecosystem



Learning with Peers



Upskilling at Work



Flexible Location



Flexible Schedule


# Design Principles

- 
- 1** Guide students toward education that enables them to achieve their goals, is suitable to their needs, and aligns with their interests.
  - 2** Helps students make wise financial decisions about postsecondary education, including through transparent information about outcomes and return on investment.
  - 3** Prepare students for postsecondary-level work by redesigning diagnostic tools and providing adaptive, targeted learning solutions.
-




# Virginia Education Wizard

<http://www.vawizard.org>



[STUDENTS](#)[VETERANS](#)[WORKFORCE](#)[REGISTER](#)[LOGIN](#)


[CAREERS](#)[GUARANTEED ADMISSION](#)[CAREER & COURSE PLANNER](#)[PREPARE FOR COLLEGE](#)[IMAGINE](#)



## Find your Skills

Everyone isn't good at the same thing. What do you enjoy doing that you can do well? Rate yourself on each skill, determining how easy or hard this skill is for you.


[ASSESS YOUR SKILLS](#)



## Find your Interests

Don't choose a career because someone else tells you it's interesting. Loving what you do is important! Rank your work interests to decide what kinds of careers you want to explore.

[ASSESS YOUR INTERESTS](#)



## Find your Values

Choosing a career that makes you feel valued isn't something most people think about, but it's very important. Rank the things that are most important to you in a job.

[ASSESS YOUR VALUES](#)



Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.



Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.

## Matching Occupations

☐ Show only "InDemand Careers"

LESS THAN 2-YEAR DEGREE

2-YEAR DEGREE

4-YEAR DEGREE

4-YEAR DEGREE OR HIGHER

In Demand

Occupation



IN DEMAND

Environmental Scientists and Specialists, Including Health

DELETE FROM PROFILE

IN DEMAND

Geoscientists, Except Hydrologists and Geographers

DELETE FROM PROFILE

Anthropologists and Archeologists

DELETE FROM PROFILE

Astronomers

DELETE FROM PROFILE

All degree programs have components of a [liberal arts education](#) which will provide you with the knowledge and skills to not only prepare for this occupation, but for a wide range of life and work experiences.

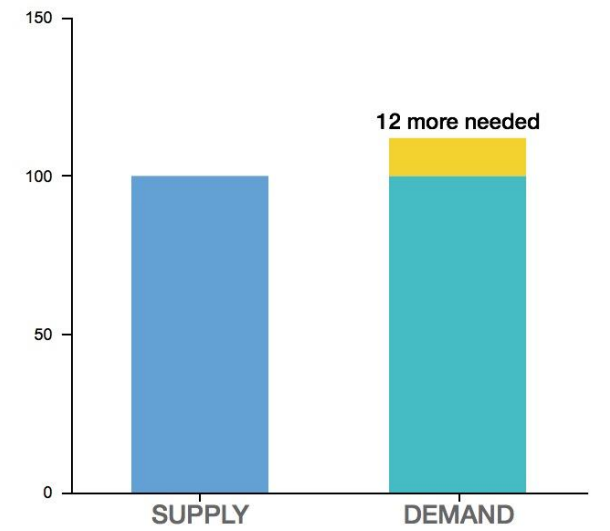
## How much will I make?

The chart below lists the percentage of workers by industry, the average yearly starting salary you may earn Nationwide, and the median salary you may earn in the Virginia region

TOP INDUSTRIES	PERCENTAGE	STARTING SALARY (National Data)	MEDIAN SALARY (Regional Data)
Support Activities for Air Transportation	<div><div></div></div> 50%	\$34,640.00	\$55,307.21
Scheduled Air Transportation	<div><div></div></div> 12%	\$34,640.00	\$64,337.65
National Security and International Affairs	<div><div></div></div> 10%	\$34,640.00	\$60,036.10
Aerospace Product and Parts Manufacturing	<div><div></div></div> 7%	\$34,640.00	\$67,104.13
Architectural, Engineering, and Related Services	<div><div></div></div> 4%	\$34,640.00	\$61,683.62
Electronic and Precision Equipment Repair and Maintenance	<div><div></div></div> 3%	\$34,640.00	\$53,103.02

## Will I be able to find a job?

When demand for an occupation is greater than the supply, it is considered to be in demand. Workers may have an easier time finding a job because there will be a demand for their skills.



## What College regions have the greatest demand?

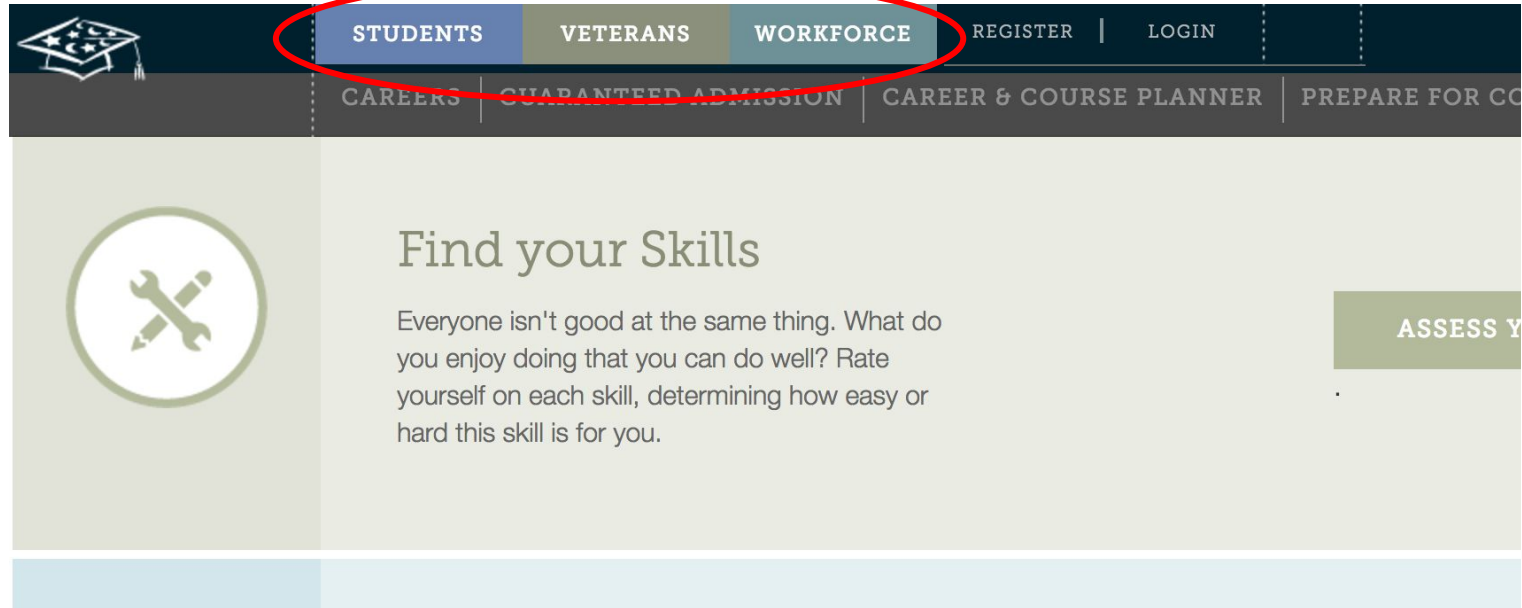
Virginia 13 more needed

Northern Virginia Community College 12 more needed

Blue Ridge Community about equal

# Virginia Education Wizard

<http://www.vawizard.org>



# Design Principles

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- 4** Allow students to adjust the timing and format of education to fit other priorities in their lives.
  - 5** Provide students with affordable access to the high-quality resources they need to be successful and to empower them to become curators of their own learning.
  - 6** Enable advisors to help students progress through times of transition and changing needs, leveraging technology such as data dashboards and texting where appropriate.
  - 7** Collect and use real-time learning data to provide targeted assistance to students.
-

# Bay Path University SOUL

Social Online Universal Learning



# University of Maryland University College

Open Educational Resources at UMUC

[Home](#)

[Academic Programs](#)

[Open Educational Resources](#)

## Open Educational Resources at UMUC

More than just free books.





# Design Principles

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- 8** Allow students to build meaningful education pathways incrementally that allow them to move fluidly in-and-out of and between institutions to accommodate their learning and life goals.
  - 9** Allow students to document their learning in portable ways that can be applied to further education or meaningful work.
  - 10** Create a network of learning that supports students as creators and entrepreneurs, and agents of their own learning over their lifetimes.
-



# Experiences Transcript

# ELON EXPERIENCES TRANSCRIPT

GLOBAL ENGAGEMENT • INTERNSHIPS • LEADERSHIP • SERVICE • UNDERGRADUATE RESEARCH

STUDY ABROAD/STUDY USA

Elon University validates all information presented on a student's Elon Experiences Transcript. Validation occurs within each program responsible for the experience and is then maintained in a centralized system. Students do not personally enter any experiences onto their Elon Experiences Transcript. The Elon Experiences Transcript is an official document of Elon University.

Name: Jane Sally Doe

Degree: AB - Bachelor of Arts

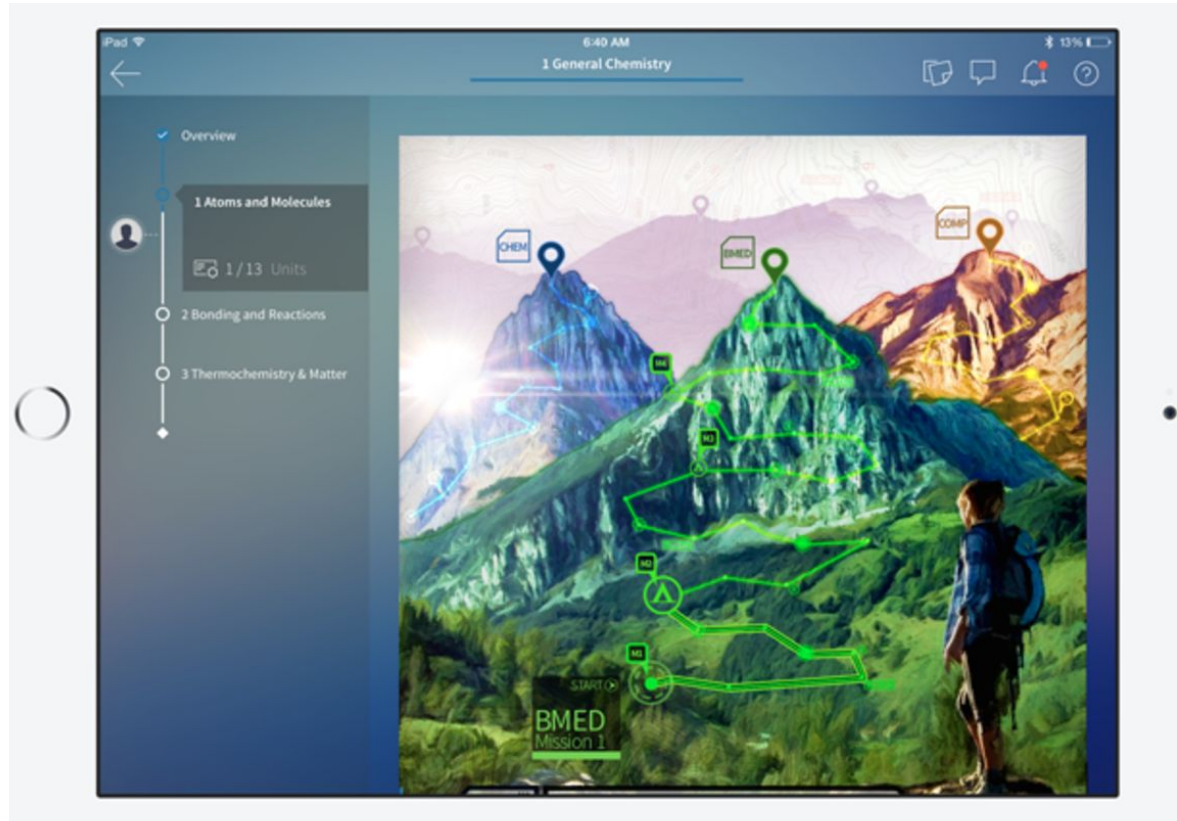
Major(s): English

Minor(s): Political Science

STUDY ABROAD				LEADERSHIP			
Winter	2012	Studies in Costa Rica/ELR	Semester	Spring	2011	Resident Student Association	Vice-President
Winter	2013	Science in London/ELR	Semester	Fall	2011	Alpha Chi Omega	New Member Educat
				Spring	2012	Alpha Chi Omega	New Member Educat
				Fall	2012	SPARKS	Peer Educator
				Spring	2013	SPARKS	Peer Educator
				Spring	2013	Orientation	Head Staff
Spring	2011	Elon Service Day	4 hours	Fall	2013	Alpha Chi Omega	Vice-President
Spring	2011	Cummings High School	3 hours	Spring	2014	Alpha Chi Omega	Vice-President
Spring	2011	ElonTHON	24 hours				
Spring	2011	Service Learning	40 hours				
Fall	2011	Blood Drive	0.5 hour				
Spring	2012	Boys and Girls Club	1 hour				
Spring	2012	Alpha Chi Omega	6 hours				
Fall	2012	Alpha Chi Omega	2 hours	Spring	2012	Elon Research Forum	
Fall	2012	Alpha Chi Omega	3 hours	Fall	2012	Research in English	
Fall	2012	Habitat for Hummanity	3 hours	Fall	2013	Research in English	
Spring	2013	ElonTHON	24 hours	Spring	2014	Research in English	
UNDERGRADUATE RESEARCH							
INTERNSHIPS/CO-OPS							
Summer	2012	Washington Center Internship	160 hours				
Spring	2012	Internship with Gallup	260 hours				

# University of Texas System

Total Educational Experience TEx





In light of this, what should  
your role be?



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# Thank You!



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@southjoseph | @thesharonleu

[tech.ed.gov](http://tech.ed.gov)