Advancing a Trajectory of Success for American Democracy
The 18th Century Ideal

Wisdom and knowledge, as well as virtue, diffused generally among the body of the people, being necessary for the preservation of their rights and liberties; and as these depend on spreading the opportunities and advantages of education in the various parts of the country, and among the different orders of the people, it shall be the duty of legislatures and magistrates, in all future periods of this commonwealth, to cherish the interests of literature and the sciences, and all seminaries of them... especially the university at Cambridge.”

John Adams
Section 2, Constitution of the Commonwealth of Massachusetts ratified in June 1780
The National University

We knew the “Greek Academy” was limited

“Nor am I less persuaded that you will agree with me in the opinion that there is nothing which can better deserve your patronage than the promotion of science and literature. Knowledge is in every country the surest basis of public happiness. Whether this desirable object will be best promoted by affording aids to seminaries of learning already established, by the institution of a national university, or by any other expedients, will be well worthy of a place in the deliberations of the legislature.”

George Washington
First annual message to Congress
January 1790
The Morrill Act of 1862

- Established at least one college in every State
- “accessible to all, but especially to the sons of toil…”
  (serving the children of farmers and laborers)
February 26 1885:

John S. Armstrong introduced House Bill 164, “An Act to Establish a Normal School in the Territory of Arizona”

Inaugural class: 33 students

Established on 20 acres donated by George and Martha Wilson’s, owners of the Pioneer Meat Market, in exchange for $500
Population Counter

U.S. Population

3 2 2, 9 3 4, 2 8 9

World Population

7, 3 0 3, 0 9 8, 9 9 5

COMPONENTS OF POPULATION CHANGE

One birth every 8 seconds
One death every 11 seconds
One international migrant (net) every 27 seconds
Net gain of one person every 15 seconds

TOP 10 MOST POPULOUS COUNTRIES

1. China 1,367,485,388  6. Pakistan 199,085,847
2. India 1,251,695,584  7. Nigeria 181,562,056
4. Indonesia 255,993,674  9. Russia 142,423,773
5. Brazil 204,259,812  10. Japan 126,919,659

21:44:29 UTC
Enrollment in public elementary and secondary schools, by level: 1869-70 to 1992-93

Source: US Department of Commerce, Bureau of Census, Historical Statistics of the United States
Number of public and private high school graduate per 100 17-year olds: 1869-70 to 1991-92

Source: US Department of Commerce, Bureau of Census, Historical Statistics of the United States
Enrollment in institutions of higher education, by sex:
1869-70 to 1990-91

Source: US Department of Commerce, Bureau of Census, Historical Statistics of the United States
Bachelor’s degrees per 1,000 23-year olds:
1869-70 to 1990-91

Source: US Department of Commerce, Bureau of Census, Historical Statistics of the United States
60 percent of "Generation Texas" will have a postsecondary credential or degree by 2030

April 2015 – Draft of the Next Higher Education Strategic Plan for Texas

4/20/15
Texas Higher Education Coordinating Board
Colorado Competes

A Completion Agenda for Higher Education

on Higher Education

MASTER PLAN

Published October 2012
Utah’s K-12 and Higher Education Goals

STATEWIDE HIGH SCHOOL GRADUATION RATES

GOAL
2% increase per year

NUMBER OF DEGREES AWARDED

GOAL
4% increase per year

*Approximate numbers
SOURCE: Utah State Office of Education, Utah System of Higher Education
Gov. Herbert has set a series of goals to have 66 percent of Utah's adults holding a post-secondary degree or certificate by 2020. Here's how far the state has to go in eight years.

**GOAL (2020)**
- Workforce with degree or certificate: 66%
- High school graduation rate: 90%
- Students taking college readiness exams: 90%
- Proficiency in language arts and math: 90%

**REALITY (2012)**
- Workforce with degree or certificate: 43%
- High school graduation rate: 76%
- Graduating class took the ACT: 97%
- 3rd grade proficiency in language arts: 79%
- Math: 76%
- 6th grade proficiency in language arts: 81%
- Math: 76%
- 8th grade proficiency in language arts: 90%
- Math: 77%

*Source: Utah System of Higher Education, Utah State Office of Education*
Arizona Educational Attainment Goals

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ASU 2025 Metrics

Total Enrollment: 125,000
Undergraduate Degrees Awarded: 21,400
Graduate Degrees Awarded: 10,670
Degrees in High Demand Fields: 15,000
Freshman Retention Rate: 90%
Six Year Graduation Rate: 75%
Research Expenditures: $815,000.00