



Provisions Impacting Higher Education in the American Jobs Act Proposal

Note: Taken From the [American Jobs Plan Fact Sheet](#), March 31, 2021.

Build high-speed broadband infrastructure to reach 100 percent coverage.

The President's plan prioritizes building "future proof" broadband infrastructure in unserved and underserved areas so that we finally reach 100 percent high-speed broadband coverage. It also prioritizes support for broadband networks owned, operated by, or affiliated with local governments, non-profits, and co-operatives—providers with less pressure to turn profits and with a commitment to serving entire communities. Moreover, it ensures funds are set aside for infrastructure on tribal lands and that tribal nations are consulted in program administration. Along the way, it will create good-paying jobs with labor protections and the right to organize and bargain collectively.

\$100 billion that "prioritizes support for broadband networks owned, operated by, or affiliated with local governments, non-profits, and co-operatives—providers with less pressure to turn profits and with a commitment to serving entire communities."

Investing in community college infrastructure.

Investing in community college facilities and technology helps protect the health and safety of students and faculty, address education deserts (particularly for rural communities), grow local economies, improve energy efficiency and resilience, and narrow funding inequities in the short-term, as we rebuild our higher education finance system for the long-run. President Biden is calling on Congress to invest \$12 billion to address these needs. States will be responsible for using the dollars to address both existing physical and technological infrastructure needs at community colleges and identifying strategies to address access to community college in education deserts.

\$12 billion for community college facilities and technology.

Invest in R&D and the technologies of the future:

Public investments in R&D lay the foundation for the future breakthroughs that over time yield new businesses, new jobs, and more exports. However, we need more investment if we want to maintain our economic edge in today's global economy. We are one of the few major economies whose public investments in research and development have declined as a percent of GDP in the past 25 years. Countries like China are investing aggressively in R&D, and China now ranks number two in the world in R&D expenditures. In addition, barriers to careers in high-innovation sectors remain significant. We must do more to improve access to the higher wage sectors of our economy. In order to win the 21st century economy, President Biden believes America must get back to investing in the researchers, laboratories, and universities across our nation. But this time, we must do so with a commitment to lifting up workers and

regions who were left out of past investments. He is calling on Congress to make an \$180 billion investment that will:

Advance U.S. leadership in critical technologies and upgrade America's research infrastructure.

U.S. leadership in new technologies—from artificial intelligence to biotechnology to computing—is critical to both our future economic competitiveness and our national security. Based on bipartisan proposals, President Biden is calling on Congress to invest \$50 billion in the National Science Foundation (NSF), creating a technology directorate that will collaborate with and build on existing programs across the government. It will focus on fields like semiconductors and advanced computing, advanced communications technology, advanced energy technologies, and biotechnology. He also is calling on Congress to provide \$30 billion in additional funding for R&D that spurs innovation and job creation, including in rural areas. His plan also will invest \$40 billion in upgrading research infrastructure in laboratories across the country, including brick-and-mortar facilities and computing capabilities and networks. These funds would be allocated across the federal R&D agencies, including at the Department of Energy. Half of those funds will be reserved for Historically Black College and Universities (HBCUs) and other Minority Serving Institutions, including the creation of a new national lab focused on climate that will be affiliated with an HBCU.

\$50 billion for NSF, some of which would be directed to a new technology directorate.

\$30 billion in additional funding for R&D that spurs innovation and job creation, including in rural areas.

\$40 billion in upgrading research infrastructure allocated across the federal R&D agencies. Half of those funds (\$20 billion) are reserved for Historically Black College and Universities (HBCUs) and other Minority Serving Institutions, including the creation of a new national climate lab at an HBCU.

Establish the United States as a leader in climate science, innovation, and R&D.

The President is calling on Congress to invest \$35 billion in the full range of solutions needed to achieve technology breakthroughs that address the climate crisis and position America as the global leader in clean energy technology and clean energy jobs. This includes launching ARPA-C to develop new methods for reducing emissions and building climate resilience, as well as expanding across-the-board funding for climate research. In addition to a \$5 billion increase in funding for other climate-focused research, his plan will invest \$15 billion in demonstration projects for climate R&D priorities, including utility-scale energy storage, carbon capture and storage, hydrogen, advanced nuclear, rare earth element separations, floating offshore wind, biofuel/bioproducts, quantum computing, and electric vehicles, as well as strengthening U.S. technological leadership in these areas in global markets.

\$35 billion in climate research, including \$15 billion for climate related demonstration projects and \$5 billion for research.

Would also create a new “Advanced Research Projects Agency- Climate,” likely at the Department of Energy.

Eliminate racial and gender inequities in research and development and science, technology, engineering, and math.

Discrimination leads to less innovation: one study found that innovation in the United States will quadruple if women, people of color, and children from low-income families invented at the rate of groups who are not held back by discrimination and structural barriers. Persistent inequities in access to R&D dollars and to

careers in innovation industries prevents the U.S. economy from reaching its full potential. President Biden is calling on Congress to make a \$10 billion R&D investment at HBCUs and other MSIs. He also is calling on Congress to invest \$15 billion in creating up to 200 centers of excellence that serve as research incubators at HBCUs and other MSIs to provide graduate fellowships and other opportunities for underserved populations, including through pre-college programs.

\$10 billion for R&D at HBCUs and other MSIs.

\$15 billion to create up to 200 centers of excellence at HBCUs and other MSIs, to serve as research incubators and provide graduate fellowships and other opportunities.

Make it in ALL of America.

The President believes we must build social infrastructure to support innovation and productivity across the country. He is calling on Congress to invest \$20 billion in regional innovation hubs and a Community Revitalization Fund. At least ten regional innovation hubs will leverage private investment to fuel technology development, link urban and rural economies, and create new businesses in regions beyond the current handful of high-growth centers. The Community Revitalization Fund will support innovative, community-led redevelopment projects that can spark new economic activity, provide services and amenities, build community wealth, and close the current gaps in access to the innovation economy for communities of color and rural communities that have suffered from years of disinvestment. And, President Biden is calling on Congress to invest \$14 billion in NIST to bring together industry, academia, and government to advance technologies and capabilities critical to future competitiveness. He is calling on Congress to quadruple support for the Manufacturing Extensions Partnership —increasing the involvement of minority-owned and rurally-located small- and-medium-sized enterprises in technological advancement.

\$20 billion for regional innovation hubs and a Community Revitalization Fund.

\$14 billion for NIST to “bring together industry, academia, and government to advance technologies and capabilities critical to future competitiveness.”

Invest in Workforce Development:

As more Americans rejoin the workforce or seek out new opportunities in a changing economy, there is a greater need for skills development opportunities for workers of all kind. In order to ensure workers have ready access to the skills they will need to succeed, and to improve racial and gender equity, President Biden is calling on Congress to invest \$100 billion in proven workforce development programs targeted at underserved groups and getting our students on paths to careers before they graduate from high school. His plan will:

Pair job creation efforts with next generation training programs.

President Biden is calling on Congress to invest in evidence-based approaches to supporting workers. This includes wraparound services, income supports, counseling, and case management, paired with high-quality training and effective partnerships between educational institutions, unions, and employers. Specifically, he is calling for a \$40 billion investment in a new Dislocated Workers Program and sector-based training. This funding will ensure comprehensive services for workers, who have lost jobs through no fault of their own, to gain new skills and to get career services they need with in-demand jobs. Sector-based training programs will be focused on growing, high demand sectors such as clean energy, manufacturing, and caregiving, helping workers of all kinds to find good-quality jobs in an ever-changing economy.

\$40 billion investment in a Dislocated Workers Program to provide skills training and career services in sector-based training programs focused on sectors such as “clean energy, manufacturing, and caregiving.”

Target workforce development opportunities in underserved communities.

Structural racism and persistent economic inequities have undermined opportunity for millions of workers. All of the investments in workforce training will prioritize underserved communities and communities hit hard by a transforming economy. President Biden also will call upon Congress to ensure that new jobs created in clean energy, manufacturing, and infrastructure are open and accessible to women and people of color. President Biden is calling on Congress to also specifically target funding to workers facing some of the greatest challenges, with a \$12 billion investment. This includes \$5 billion over eight years in support of evidence-based community violence prevention programs. He is calling on Congress to invest in job training for formerly incarcerated individuals and justice-involved youth and in improving public safety. He also is calling on Congress to tackle long-term unemployment and underemployment through a new subsidized jobs program. And, he is calling on Congress to eliminate sub-minimum wage provisions in section 14(c) of the Fair Labor Standards Act and expand access to competitive, integrated employment opportunities and fair wages for workers with disabilities.

\$12 billion targeted to workers facing some of the greatest challenges including \$5 billion over eight years in support of evidence-based community violence prevention programs.

Build the capacity of the existing workforce development and worker protection systems.

The United States has underinvested in the workforce development system for decades. In fact, we currently spend just one-fifth of the average that other advanced economies spend on workforce and labor market programs. This lack of investment impacts all of us: better educated workers create spillover effects for other workers and lack of employment has negative social impacts on communities. President Biden is calling on Congress to invest a combined \$48 billion in American workforce development infrastructure and worker protection. This includes registered apprenticeships and pre-apprenticeships, creating one to two million new registered apprenticeships slots, and strengthening the pipeline for more women and people of color to access these opportunities through successful pre-apprenticeship programs such as the Women in Apprenticeships in Non-Traditional Occupations. This will ensure these underserved groups have greater access to new infrastructure jobs. These investments include the creation of career pathway programs in middle and high schools, prioritizing increased access to computer science and high-quality career and technical programs that connect underrepresented students to STEM and in-demand sectors through partnerships with both institutions of higher education and employers. The President’s plan also will support community college partnerships that build capacity to deliver job training programs based on in-demand skills. His plan will better tailor services to workers’ job seeking and career development needs through investments in Expanded Career Services and the Title II adult literacy program. The President’s plan includes funding to strengthen the capacity of our labor enforcement agencies to protect against discrimination, protect wages and benefits, enforce health and safety safeguards, strengthen health care and pensions plans, and promote union organizing and collective bargaining.

\$48 billion for “workforce development infrastructure and worker protection,” creating “one to two million new registered apprenticeships slots, and strengthening the pipeline for more women and people of color to access these opportunities.”