NSF AI Education Act Summary

1.   **National Science Foundation ("NSF") Undergraduate AI Scholarships and Fellowships**. Authorizes NSF to award merit- or needs-based undergraduate scholarships for study of Artificial Intelligence ("AI"), Quantum Hybrid, AI and Agriculture, AI and Education, and AI and Advanced Manufacturing. Authorizes NSF to make annual grant awards for a 4-year period in amounts to cover the cost of tuition, education-related fees, and a stipend.

2.   **NSF Graduate AI Scholarships and Fellowships**. Authorizes NSF to award merit- or needs-based graduate scholarships for study of AI, Quantum Hybrid, AI and Agriculture, and AI and Education, and AI and Advanced Manufacturing. Authorizes NSF to make annual grant awards for a 3-year period in amounts to cover the cost of tuition, education-related fees, and a stipend.

3.   **NSF Fellowships for AI Professional Development**. Authorizes NSF to award fellowships for professional development in STEM fields or the field of education administered by or affiliated with institutions of higher education.

4.   **NSF Support for AI Research and Development and Training in Agriculture**. Authorizes the Secretary of Agriculture in collaboration with NSF to make grants for AI research, development and training in agriculture through Land-Grant Universities and the Cooperative Extension Service.

5.   **NSF Quantum Fellowships and Scholarships**. Authorizes NSF to award competitive, merit-based fellowships and scholarships for students at institutions of higher education to increase exposure and employment opportunities for students in the quantum field.

6.   **NSF Outreach Campaign**. Authorizes NSF to conduct a nationwide outreach campaign, with a priority on rural and underserved areas, to increase awareness on NSF's AI and quantum education opportunities at elementary schools, secondary schools, career and technical schools, and other institutions of higher education.

7.   **Community College and Vocational School Centers of AI Excellence**. Directs NSF, in coordination with the Regional Technology Hub Program, to establish at least five Community College and Vocation School Centers of AI Excellence across the country. These Centers will focus on developing and disseminating information about best practices for AI research and education at community colleges and vocational schools.

8.   **Award Program for Research on AI in Education**. Creates an award program at the NSF to promote research on teaching models, tools, and materials, with a focus on K-12, low-income, rural, and tribal students for artificial intelligence and the integration of key emerging technologies in the classroom.

9.   **NSF Awards for Artificial Intelligence Resources**. Authorizes the NSF to make awards to increase access to artificial intelligence tools and applications at educational institutions, with a preference for rural schools, emerging research institutions, community colleges and vocational schools, and minority serving institutions.

10.   **NSF National STEM Teachers Corps**. Directs the NSF to include and prioritize artificial intelligence as part of the National STEM Teachers Corps program.

11.   **Guidance for the Introduction and Use of Artificial Intelligence in Prekindergarten Through Grade 12**. Directs NSF to create publicly available PreK-12 AI education "playbooks" for introducing AI in classrooms across the country, including consideration for rural and economically depressed areas.

12.   **NSF Grand Challenges Relating to Artificial Intelligence Education and Training**. Authorizes an NSF grand challenge for AI education and training, including strategies for training 1,000,000 or more workers in the United States in areas related to the creation, deployment, or use of AI by 2028, the creation of an AI education and training frameworks that do not displace existing workers, including teachers, and the promotion of increasing the number of women who receive AI education and training, and how to ensure rural areas of the United States are able to benefit from artificial intelligence education and training.

13.   **Gift Authority**. Clarifies that NSF may receive and use funds donated by others to fund scholarships and fellowships authorized by this bill.