

Republic of the Philippines  
**HOUSE OF REPRESENTATIVES**  
Quezon City

EIGHTEENTH CONGRESS

First Regular Session

HOUSE BILL NO. 3176



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Introduced by **Honorable ABRAHAM "BAMBOL" N. TOLENTINO**

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**EXPLANATORY NOTE**

Science and technology is essential for the development and advancement of a country. One field that of science that has been proven to provide endless benefits to society is the study of Nuclear Science. Nuclear Science and Technology promote sustainable development through varied applications such as medicine, food preservation and safety, scientific research, and generation of electricity.

The Constitution, in Article 14, Section 10, even provides that:

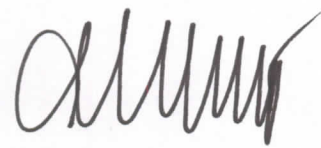
*"Science and technology are essential for national development and progress. The State shall give priority to research and development, invention, innovation, and their utilization; and to science and technology education, training, services. It shall support indigenous, appropriate, and self-reliant scientific and technological capabilities, and their application to the country's productive systems and national life."*

Other countries such as France, Russia, and the United States of America use nuclear power plants. The U.S.A. even uses nuclear power plants to supply 19% of its

total electricity. Currently, the Philippines is the only country in the Association of South East Asian Nations (ASEAN) to have a nuclear power plant, located in Morong, Bataan.

This bill aims to further inspire the youth to pursue a future in nuclear science and nuclear engineering by providing scholarship grants, grants in aid, and other incentives in order for the country to fully realize the potential and harvest the benefits of nuclear science.

Approval of the bill is earnestly sought.

A handwritten signature in black ink, consisting of a series of loops and a final vertical stroke.

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**AN ACT ESTABLISHING A NATIONAL SCHOLARSHIP PROGRAM FOR  
STUDIES IN NUCLEAR SCIENCE AND NUCLEAR ENGINEERING**

*Be it enacted by the Senate and House of Representatives of the Philippines in  
Congress assembled:*

1           Section 1. *Short Title.* – This Act shall be known as the “Nuclear Science and  
2 Nuclear Engineering Scholarship Act.”

3           Sec. 2. *Declaration of Policy.* – Science and Technology is essential for  
4 national development and progress. It is hereby declared the policy of the State to  
5 promote the development of the country’s science and technology by promoting and  
6 enhancing the capabilities required in the areas of research, development,  
7 innovation as well as their utilization. As such, it shall provide for scholarships,  
8 grants-in-aid, or other forms of incentives to deserving science students and other  
9 specially-gifted citizens to enable them to pursue higher education or training in  
10 areas of science and technology.

11          Sec. 3. *Definition of Terms.* – For purposes of this Act, the term:

12          a) *DOST* – refers to the Department of Science and Technology;

13          b) *Nuclear engineering* – refers to the application of the breakdown of atomic  
14 nuclei and/or other sub-atomic physics, based on the principles of nuclear  
15 physics. It includes, but is not limited to, the interaction and maintenance of  
16 nuclear fission systems and components, specifically, nuclear weapons,  
17 nuclear power plants, and/or nuclear weapons. The field may also include the



1 study of nuclear fusion, medical and other applications of (generally ionizing)  
2 radiation, nuclear safety, heat/thermodynamics transport, nuclear fuel and/or  
3 other related (e.g., waste disposal) technology, nuclear proliferation, and the  
4 effect of radioactive waste or radioactivity in the environment; and

5 c) *Nuclear science* – refers to the study of the atomic nucleus.

6 Sec. 4. *In General.* – A National Scholarship Program for Studies in Nuclear  
7 Science and Nuclear Engineering shall be created and spearheaded by the  
8 Department of Science and Technology (DOST), in coordination with such  
9 government agencies and institutions involved in fostering the development of  
10 nuclear science and nuclear engineering in the country.

11 Sec. 5. *Application.* – An eligible undergraduate institution may receive a grant  
12 upon proper application to the Secretary of the DOST. The application shall include  
13 a cost effective proposal on how the scholarship grant shall be expended to attain  
14 the objective of fostering the development of nuclear science and nuclear  
15 engineering in the country including but not limited to proposed scholars willing and  
16 capable to undertake comprehensive training on nuclear science and technology as  
17 well as the institutions, locally or abroad, which will provide such training.

18 Sec. 6. *Duration.* – The National Scholarship Program for Studies in Nuclear  
19 Science and Nuclear Engineering shall last for four years from the effectivity of this  
20 Act. Thereafter, the program shall be evaluated according to criteria and measures  
21 to be determined by the DOST.

22 Sec. 7. *Report.* – The DOST shall transmit a progress report to Congress every  
23 year for the duration of the program.

24 Sec. 8. *Appropriations.* – The amount necessary to carry out the provisions of  
25 this Act is hereby authorized to be appropriated from the National Treasury.

26 Sec. 9. *Separability Clause.* – If any provision of this Act is held invalid or  
27 unconstitutional, the same shall not affect the validity and effectivity of the other  
28 provisions hereof.

29 Sec. 10. *Repealing Clause.* – All laws, decrees, orders, and issuances, or portions  
30 thereof, which are inconsistent with the provisions of this Act, are hereby repealed,  
31 amended or modified accordingly.

1        Sec. 11. *Effectivity Clause.* – This Act shall take effect fifteen (15) days after its  
2        publication in the Official Gazette or in two (2) newspapers of general circulation.  
      Approved,