

SIXTEENTH CONGRESS OF THE REPUBLIC )  
OF THE PHILIPPINES )  
Third Regular Session )



Senate  
Office of the Secretary

'16 JAN 25 P5:15

SENATE  
S. No. 3120

RECEIVED BY: 

---

Introduced by Senator Miriam Defensor Santiago

---

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

EXPLANATORY NOTE

The Constitution, Article 14, Section 10, provides:

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, and 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.

Science and technology is one of the driving forces of societal progress. Nuclear technologies in medicine, industry, energy, agriculture and other fields have generated billions for the United States and have created millions of jobs. Neighboring countries such as the Republic of Korea and Taiwan have learned, in a short span of time, to capitalize on new nuclear-based technologies to stimulate economic growth.

It is notable that the Philippines, through the efforts of the Philippine Nuclear Research Institute (PNRI) and its collaborators have made advances in nuclear-based technologies with agriculture and the environment sectors as the major beneficiaries.

However, we have a long way to go to fully realize the potential of nuclear science and nuclear engineering such that its application will find its way in most of our industries leading to economic growth and better quality of life for all.

This bill provides for scholarship grants aimed to encourage and motivate our youth to pursue a career in nuclear science and nuclear engineering.<sup>1</sup>

*Miriam Defensor Santiago*  
MIRIAM DEFENSOR SANTIAGO  
78

---

<sup>1</sup> This bill was originally filed during the Fourteenth Congress, Second Regular Session.



'16 JAN 25 P5:15

SENATE  
S. No. 3120

RECEIVED BY: 

---

Introduced by Senator Miriam Defensor Santiago

---

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

*Be it enacted by the Senate and the 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 SECTION 2. *Declaration of Policy.* – Science and technology are 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, innovation as  
7 well as their utilization. As such, it shall provide for scholarships, grants-in-aid, or other  
8 forms of incentives to deserving science students and other specially-gifted citizens to  
9 enable them to pursue higher education or training in areas of science and technology.

10 SECTION 3. *Definition of Terms.* – For purposes of this Act, the term:

11 (A) “DOST” refers to the Department of Science and Technology;

12 (B) “Nuclear engineering” refers to the application of the breakdown of atomic  
13 nuclei and/or other sub-atomic physics, based on the principles of nuclear physics. It  
14 includes, but is not limited to, the interaction and maintenance of nuclear fission systems  
15 and components, specifically, nuclear reactors, nuclear power plants, and/or nuclear  
16 weapons. The field may also include the study of nuclear fusion, medical and other

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

4 (C) "Nuclear science" refers to the study of the atomic nucleus.

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

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

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

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

1           SECTION 8. *Appropriations.* – The amount necessary to carry out the provisions  
2 of this Act are hereby authorized to be appropriated from the National Treasury.

3           SECTION 9. *Separability Clause.* – If any provision of this Act is held invalid or  
4 unconstitutional, the same shall not affect the validity and effectivity of the other  
5 provisions hereof.

6           SECTION 10. *Repealing Clause.* – All laws, decrees, orders, and issuances, or  
7 portions thereof, which are inconsistent with the provisions of this Act, are hereby  
8 repealed, amended or modified accordingly.

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

Approved,

/ml1Dec2015