

Republika ng Pilipinas
(Republic of the Philippines)
MINISTRI NG EDUKASYON, KULTURA AT ISPORTS
(MINISTRY OF EDUCATION, CULTURE AND SPORTS)
Manila

October 16, 1984

MECS M E M O R A N D U M
No. 171, s. 1984

CERTIFICATION PROGRAM FOR B.S. GRADUATES TO TEACH SCIENCE
AND MATHEMATICS IN SECONDARY SCHOOLS

To: Bureau Directors
Regional Directors
Schools Superintendents
Presidents, State Colleges and Universities
Heads of Private Schools, Colleges and Universities

1. The Science Promotion Institute of the National Science and Technology Authority (SPI-NSTA), in coordination with the Bureau of Higher Education, Ministry of Education, Culture and Sports, Manila, is now implementing a project entitled "Certification Program for B.S. Graduates to Teach Science and Mathematics in Secondary Schools," a component of the total science education program of the Institute.

2. The objectives of the program are:

- a. to upgrade the teaching capabilities of Physics and Chemistry teachers in the field who are neither major nor minor in the subject/s they are teaching;
- b. to further improve the teacher's competence in teaching high school Physics and Chemistry; and
- c. to finally award a Certificate of Proficiency in the Teaching of High School Physics and/or Chemistry to deserving secondary school teachers.

3. Applicants to this new program must be presently teaching Physics/Chemistry (at least one year) in secondary schools, but are neither major nor minor in the subjects.

4. Other information is provided in the inclosure to this Memorandum.

5. It is desired that this Memorandum be given the widest publicity possible.

(SGD.) JAIME C. LAYA
Minister

Incl.:

As stated

Reference:

None

Allotment: 1-3-4 --(D.O. 1-76)

To be indicated in the Perpetual Index under the following subjects:
•BUREAUS & OFFICES Course of Study, SECONDARY
•CERTIFICATE TEACHERS

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CERTIFICATE PROGRAM FOR A.S. GRADUATE TEACHERS
SCIENCE AND TEACHING OF SECONDARY SCHOOLS

1. The objectives of the program are:
 - a. to upgrade teaching capabilities of Physics and Chemistry teachers in the field who are neither major nor minor in subject/s they are teaching;
 - b. to further improve the teacher's competence in teaching high school Physics and Chemistry; and
 - c. to finally award a Certificate of Proficiency in the Teaching of High School Physics and/or Chemistry to deserving secondary school teachers.

2. FIELDS OF STUDY

A. Certificate of Proficiency in Teaching High School Chemistry.

The course provides chemistry teachers who are non-majors in the field with the required undergraduate major subjects which would allow them to effectively and competently teach the subject in high school or pursue graduate work. It emphasizes basic physical and chemical principles and includes training in laboratory skills and scientific research.

About 18 units in content courses is required.

B. Certificate of Proficiency in Teaching High School Physics.

The course likewise provides physics teachers who are non-majors in the field with the required undergraduate major subjects which would allow them to effectively and competently teach the subject in high school or pursue graduate work.

About 18 units in content courses is also required.

In both fields, a Certificate of Proficiency in Teaching High School Chemistry or Physics, as the case may be, shall be awarded upon completion of all requirements.

3. VENUE -

Following is the list of Regional Science Teaching Centers (RSTC) and Service Areas:

<u>RSTC</u>	<u>AREAS COVERED</u>
1. St. Louis University Baguio City	Pangasinan, La Union, Benguet, Mt. Province, Baguio City, Dagupan City, San Carlos City, Zambales, Tarlac, Bataan, Olongapo City
2. Mariano Marcos State University - Laoag City	Ilocos Norte, Ilocos Sur, Abra, Laoag City, Cagayan, Kalinga-Apayao, Batanes
3. St. Mary's College Biyambong, Nueva Vizcaya	Isabela, Nueva Vizcaya, Quirino, Ifugao, Bulacan, Pampanga, Nueva Ecija, Angeles City, Cabanatuan City
4. Philippine Normal College Taft Avenue, Manila	Manila, Quezon City, Caloocan City, Pasay City, Rizal, Batangas, Quezon, Cavite, Laguna, Lipa City, Lucena City, San Pablo City, Cavite City, Aurora Sub-province, Marikina, Oriental

5. Aquinas University
Legazpi City
Camarines Sur, Albay, Masbate, Sorsogon
Camarines Norte, Catanduanes, Naga City
Legazpi City, Iriga City
6. West Visayas State Colleges
Iloilo City
Negros Occidental, Iloilo, Antique,
Cebu, Albay, Guimaras, Bacolod, San
Carlos City, Cebu City, Roxas City,
La Carlota City, Silay City, Bago City
7. University of San Carlos
Cebu City
Davao, Bohol, Negros Oriental, Siquijor,
Cebu City, Marikina City, Lapu-Lapu
City, Talamban City, Mandaue City
8. Divine Word University
Tacloban City
Northern Samar, Samar, Eastern Samar,
Leyte, Southern Leyte, Biliran,
Calbayog City, Tacloban City, Ormoc City
9. Western Mindanao State
University - Zamboanga City
Tawi-Tawi, Sulu, Marilao, Zamboanga del
Norte, Zamboanga del Sur, Pagadian City
Dipolog City, Dapitan City
10. Mindanao State University
Marawi City
Misamis Occ. Misamis Or. Lanao del Norte
Lanao del Sur I and II, Agusan del Norte
Davao Occidental, Davao Oriental, Davao
de Oro, Ozamiz City, Surigao City,
Davao City, Gingoog City, Iligan City
11. Ateneo de Davao University
Davao City
Surigao del Norte, Surigao del Sur,
Davao del Sur, Davao Oriental, Davao,
Davao City, General Santos City
12. Notre Dame of Marbel College
Koronadal, Cotabato
North Cotabato, Maguindanao, Sultan
Kudarat, South Cotabato, Lanao del
Sur, Cotabato City

4. QUALIFICATION OF APPLICANTS.

- a. Must be a Filipino citizen.
- b. Must be in good health.
- c. Must have official permission from his/her school administrator/
immediate supervisor.
- d. Must be a bachelor's degree holder but not a major nor minor
in physics or chemistry.
- e. Must be presently teaching the subject area applied for.
- f. Must have taught the subject areas applied for at least one year.
- g. Although no age limit has been set, preference will be given to
younger applicants.
- h. Last priority for Summer Science Institute (SSI) participants
within the last five years.

5. SELECTION PROCEDURE

Each applicant must submit:

1. Transcript of BS collegiate records; certified true copies
or xerox copies. (Original Transcript of Records is
required for enrollment).
2. Information sheet specified in the application.
3. Two letters of references from immediate supervisor or
department head, physics/chemistry and from principal
both on his/her capability/potential as a teacher in physics/
chemistry and his/her character, personality and industrious-
ness.

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Preliminary selection in each region is done by the local committee composed of: the RSTC Director as chairman and the NSTA Regional Coordinator and IECSS Representatives as members. Results of the Preliminary Selection, list of recommendees/nominees together with all the application forms (whether qualified or not) are forwarded to Scientific manpower and Institutional Development Division-Science Promotion Institute (SMID-SPD).

The National Coordinating Committee (NCC) makes the final selection based on the guidelines prepared and adopted by the committee.

6. RULES AND REGULATIONS

1. Placement

All grantees are required to enroll in the RSTC in their respective regions twenty-five (25) slots are available per region.

Qualified and admitted applicants to the program whether residing near or far from the Center shall be responsible for all other additional expenses incurred not within the privileges awarded.

2. Privileges (SY 1987-1988)

All teachers selected/admitted under the program will be entitled to the following:

Actual tuition fee and other school expenses per semester	
Book Allowance and instructional materials	
per semester	P300.00
Allowance per month	200.00

Awardees shall be able to avail of the program while teaching in their respective schools because class attendance shall be scheduled on Saturdays within the regular semester.

3. The study grant is tenable for three (3) semesters towards a program awarding a Certificate of Proficiency in the Teaching of High School Physics/Chemistry.
4. A grantee of the program to remain in good standing must pass all the subjects during the semester.
5. A grantee should carry the required academic load for each term until the required number of units to complete the course has been met.
6. A grantee cannot drop or change any subject.
7. Grantees, after completing the program, are required to submit:
 - a. A three (3) year plan of action for effective application of the professional advancement recently undertaken duly attested by the school administrator,
 - b. An annual report for three (3) consecutive years on actual implementation of plan of action previously submitted duly attested by the administrator of the school.
8. A grantee shall be required to reimburse the full amount received in connection with his/her study grant under the following circumstances:
 - a. Willful abandonment of the study grant;
 - b. Refusal to teach the subject in high school after completing the program;
 - c. Failure to submit reports required; and
 - d. Gross misconduct involving moral turpitude.

