UNIVERSITY OF THE VIRGIN ISLANDS
BOARD OF TRUSTEES RESOLUTION

PURPOSE: To replace the Bachelor of Science in Chemistry with Physics degree with a Bachelor of Science in Chemistry.

WHEREAS, the University offers two degree programs in chemistry: the B.A. in Chemistry, and the B.S. in Chemistry with Physics (CWP), and

WHEREAS, over the past ten years the interest of students has shifted from the physico-chemical fields to the biomedical fields, and

WHEREAS, the B.S. degree in Chemistry would be less costly than the B.S. degree in Chemistry with Physics, and

WHEREAS, the needs of a majority of the students who are interested in chemistry can be met by either the B.A. or the B.S. degree in Chemistry, and

WHEREAS, the Faculty Organization has reviewed a proposal prepared by the Division of Science and Mathematics to replace the B.S. degree in Chemistry with Physics with a B.S. degree in Chemistry,

NOW, THEREFORE BE IT RESOLVED THAT:

The Board of Trustees approve a new degree program leading to a Bachelor of Science in Chemistry to replace the Bachelor of Science Degree in Chemistry with Physics.

CERTIFICATION

The undersigned does hereby certify that the foregoing is a true and exact copy of the resolution of the Board of Trustees of the University of the Virgin Islands adopted at its meeting on June 1, 1996 and recorded in the minutes of said meeting.

Orville Kean
Secretary of the Board

June 1, 1996
Date

BACKGROUND

The development of a proposal for a Bachelor of Science degree program in chemistry was initiated by Dr. G. Wrensford based on feedback from students regarding their interest. Students going into the Chemistry with Physics (CWP) major have been doing so because they did not have the option of pursuing a straight chemistry Bachelor of Science major.

In formulating the new degree program, the faculty sought to accommodate the needs of those interested in the biomedical fields while still meeting the needs of those interested in the physico-chemical or engineering fields. The faculty reviewed the American Chemical Society guidelines for such a major and consulted catalogs of several colleges including Rhode Island College, the University of Hartford, the University of California-Irvine, Boston College, Branders University and Massachusetts Institute of Technology. The new program will allow students to design a curriculum with a sub-specialization in biology, marine biology, computer science, engineering, mathematics, or physics.

The program was approved by the Curriculum Committee on January 25, 1996, and by the Faculty Organization on April 1, 1996. The requirements are shown on the following page.

Bachelor of Science Degree in Chemistry
Requirements - May 1996

A. **Required courses in Chemistry**

Che 151,152	General Chemistry	5-5
Che 251	Quantitative Analysis I-II	4
Che 252	Instrumental Analysis	4
Che 253,254	Introduction to Organic Chemistry I-II	5-5
Che 341,342	Physical Chemistry I-II	4,4
Che 397,398	Junior Science Seminar I, II	0.5, 0.5
Che 432	Inorganic Chemistry	4
Che 497, 498	Senior Science Seminar I, II	1,1
	Subtotal	**43 credits**

B. **Required Courses in Mathematics**

Mat 143, 142	Precalculus Algebra and Trigonometry	4-4
Mat 241, 242	Introduction to Calculus and Analytic Geometry I-II	4-4
Mat 341, 342	Intermediate Calculus I-II	3-3
	Subtotal	**22 credits**

C. **Required Courses in Physics**

Physics 241, 242	General Physics I-II	5-5
Physics 341	Modern Physics	3
Physics 351	Modern Physics Lab	1
	Subtotal	**14 credits**

D. **Science Electives:** An additional **21 credits** in science, mathematics, engineering or computer science are required from the following:

Any biology, marine biology or marine science courses
300 or 400 level chemistry courses
200, 300 or 400 level mathematics courses
Any computer science courses except CSC 111
Any 200 level engineering courses
300 level physics courses

The following courses are strongly recommended

Che 348 - Biochemistry	5
Che 465 - Selected Topics in Chemistry	3 each
Che 495 - Directed Independent Research	1-4
Bio 245 - Principles of Genetics	4
Mat 346 - Differential Equations	3

Note: No new courses are proposed in this major.