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SIMON FRASER UNIVERSITY

Paper S-25

MEMORANDUM

To Mr. D. P. Robertson,
Secretary of Senate.
Subject Biochemistry Honors and Majors
Program.

From K. E. Rieckhoff,
Acting Dean of Science.
Date July 26, 1967.

At its meeting of July 25, 1967, the Faculty of Science moved adoption of the Biochemistry Honors and Majors Program as contained in document 7-H. The motion was carried unopposed with one abstention.

Document 7-H is attached.

K. E. Rieckhoff.

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attach.

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7-H

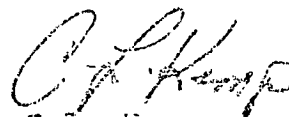
Clarendon

Documentation for the Need of an Interdisciplinary Program
in Biochemistry

Biochemistry deals with the chemical processes that go on in living matter. To properly comprehend this ever growing field of modern science demands a firm foundation in all areas of science but especially in the specific areas of chemistry and biology. To provide a proper prospective between the biological and chemical approach it is essential that these courses be taken simultaneously and at an early level.

At most other universities where biochemistry is housed under medicine or agriculture a properly balanced undergraduate program is next to impossible due to administrative problems. Here at Simon Fraser we have the perfect administrative structure to mount a properly balanced undergraduate program in biochemistry. As an interdisciplinary program between the departments of Biological Science and Chemistry a well integrated program has been designed. A student taking this program would complete neither the degree requirements of the Bio-Science or the Chemistry department but would have attained a level of understanding at the level of the bachelor's degree. We therefore propose a degree program in Biochemistry which on completion would be awarded a B.Sc. with honors or majors standing. The administration of this program would be with the Faculty of Science Biochemistry Committee.

Every educated individual will admit the importance of understanding biochemistry due to its impacts on medicine and our everyday health. It is a discipline which is expanding at a tremendous rate and its importance will undoubtedly become even greater. To neglect the rather unique opportunities we possess here at Simon Fraser and fail to mount the program described here would be a serious mistake. We, therefore, strongly recommend the program we have detailed below.



C.L. Kemp
Department of Bio-Science



K.N. Slessor
Department of Chemistry

Interdisciplinary Biochemistry Programs

Dept.	Majors	Honors
Bio-Science	32	38
Chemistry	39	45
Research (B498-3 or C481-5)	0	3 or 5
Math	12	12
Physics	6	12
Electives	31	22 or 20

At least 7 hours of electives must be taken from courses in the Faculty of Science in the majors program. These electives are to be chosen in consultation with members of the Biochemistry staff.

The courses in the core program are:

Dept.	Majors	Honors
Bio-Science	101-4, 102-4, 201-3 202-3, 305-3, 315-3 406-3, 401-3, 402-3 428-3	Same as majors plus 455-3, 481-3
Chemistry	102-3, 103-3, 116-2 117-2, 231-3, 251-3 252-3, 256-2, 261-3 356-2, 421-3, 422-3 426-2, 427-2, 457-3	Same as majors plus two of 341-3, 351-3 361-3
Research	None	C481-5 or B498-3
Math	113-3, 114-3, 213-3 214-3	Same as majors
Physics	101-3, 102-3	Same as majors plus 231-3 and one of 211-3 or 221-3

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