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1000 Lakeshore Drive (Biology)

1. Complete catalog description for minor

Minor-Biochemistry

17-20 sh

Required courses:

BC301-302	Biochemistry I and II	6 sh
BC311-312	Biochemistry Laboratory I and II	2 sh

Other requirements:

At least three controlled electives from following list (1):	9-12 sh
BC480, 481, 490	
BI250, 263, 350, 352, 364, 401, 453	
CH232, 322, 323	

(1) Or other 200-level or higher Biology or Chemistry courses with permission of chairperson of offering department. A minimum of 9 sh is required.

2. Detailed description for the minor

A. Rationale/justification for the new program

One perspective of the field of biochemistry is that it occupies a 'middle ground' on a continuum of

subdisciplines in the natural sciences whose inquiries range from studies of the elemental particles of matter to the behavior of ecosystems. In establishing the Biochemistry Program in 1984, IUP and SSHE

B. Credit requirements

Minor in Biochemistry

total of 17-20 sh

The total sh will depend on the controlled electives used (9 sh minimum required to 12 sh for three 4 sh electives).

Required courses:

BC301 Biochemistry I^a

3 sh

BC312 Biochemistry Laboratory II

1 sh

Other requirements:

C. Sequencing and restrictions

BC301 Biochemistry I and BC311 Biochemistry Laboratory I are offered only in the Fall semester

BC302 Biochemistry II and BC312 Biochemistry Laboratory II are offered only in the Spring semester

Biochemistry majors normally take these courses in their junior year. Biochemistry minors could take them in either their junior or senior year.

2. Chemistry majors would need to complete BI111, Principles of Biology I before taking the BC courses. They normally complete the other prerequisite, CH232, Organic Chemistry II in their sophomore year.
3. Biology majors would need to complete CH232, Organic Chemistry II before taking the BC courses. They normally complete the other prerequisite, BI111, Principles of Biology I in their freshman year.
4. BC480 and BC490, Biochemistry Seminar I and II, are taught as a two-semester sequence. Taken together, they constitute the required "WP" courses for the Biochemistry major.

To: Whom It May Concern
From: Biochemistry Program Faculty

Date: November 5, 1998

Re: Proposed Minor in Biochemistry

We fully support the proposed Minor in Biochemistry. As the faculty involved in teaching the

To: Curriculum Committee

Department of Biology
IUP

Date: March 15, 1999

Subject: Proposal for Minor in Biochemistry

I am writing to support the "Minor in Biochemistry" submitted by Dr. Jon Southard for the Biochemistry Program. It has been reviewed and approved by our Department Curriculum

March 1, 1999

The University Senate
IUP

FROM:

Dr. Bethon Wanyabaga, Chairperson

Dr. Wanyabaga