Indiana University of Pennsylvania
Computer Science Department

SUBJECT: Curriculum Changes for Computer Science

TO: Dr. Hal Sommer, Co-Chair
Senate Undergraduate Curriculum Committee

Dr. Hilda Richards, Co-Chair
Senate Undergraduate Curriculum Committee

FROM: Thomas P. Cunningham, Chairman
Computer Science Department

The Computer Science Department would like to request approval for the following change to our degree requirements. This change has been approved by the Computer Science Department Faculty and Dean of the College of Natural Science and Mathematics.

Add the following minors in Geography and Economics to the list of alternatives under "Other Requirement" necessary to obtain the B.S. Degree rather than the B.A. Degree.

Other Requirements:

Completion of one of the following:

a) Minor from the College of Natural Science
and Mathematics,

b) from designated Business

courses (18 minimum),

c) Minor from designated Geography courses (15 minimum),

d) Minor from designated Economics courses (15 minimum),

e) Nine additional hours of Computer Science controlled electives, including 4 hours of O 485 or CO 493.

The approved minor in Geography* is:

1.   At least one course from the following (3 credits):

GE 241   Physical Geography

2.   At least three courses from the following (9 credits):

GE 313   Cartography
GE 314   Map and Photography Interpretation
GE 331   Population Geography
GE 361   Planning: Basic Studies and Analysis
GE 415   Remote Sensing

3.   At least one other Geography course.

The approved minor in Economics* is:

1.   Must take (12 credits)

EC 121   Principles of Economics I
EC 122   Principles of Economics II
EC 356   Introduction to Econometrics
EC 334   Economics of Corporate Decisions

2.   At least one other Economics Course except:

EC 101   Basic Economics

* Since these are both minors, the student will also have to have at least a
  2.0 QPA and completed at least six credits at IUP.

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For Information:

The approved Business Minor (Concentration) is:

A student wishing to obtain a B.S. in Computer Science by fulfilling a
business concentration as part of his requirements, must complete at least
18 semester hours from the following list of courses (with at least a 2.0
quality point average and at least 6 credits completed at IUP).

AD 235   Introduction to Business Law

Prerequisite: 2.0 GPA in AG 201

FI 310   Finance I
            Prerequisite: AG 201

IM 251   Business Systems Analysis and Design
            Prerequisites: AG 201 and FS 240 (or FS 241 or CO 110)

IM 451   System Analysis
            Prerequisites: FS 350, FS 370, or FS 352
                            (CO 300, CO 315 or CO 220 may be
                            acceptable)

MG 311   Human Behavior in Organizations
            Prerequisite: PC 101

MG 360   Management and Production Concepts
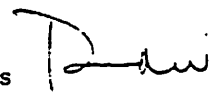   Prerequisites: Upper division students only

MK 320   Principles of Marketing

SUBJECT: Minor in Economics for Computer Science Majors

TO: Dr. Thomas P. Cunningham, Chairperson
Curriculum Committee
Computer Science Department

FROM: Donald A. Walker
Chairperson, Department of Economics

DATE: April 11, 1987

Thank you for your memo dated April 1, 1987.

whole.

Our conclusion is that it is very soundly constructed
from an academic point of view, and from the viewpoint of

May 2, 1986

SUBJECT: Minors in Geography and Economics Approved for
Computer Science Majors to Qualify for the B.S. Degree

TO: Mr. Gary Buterbaugh, Chairperson
Computer Science Department

FROM: Charles R. Fuget, Dean
College of Natural Sciences & Mathematics.

The Advisory Committee of the College of Natural

Minor in Economics (15 credits) including:

1. Must take (12 cr)
   EC 121 Principles of Economics I

Indiana University of Pennsylvania   April 1, 1987
Computer Science Department

SUBJECT: Minor in Economics for Computer Science Majors

TO: Donald A. Walker, Chair
           Economics Department

FROM: Thomas P. Cunningham, Chair *T.P.C.*

*The requirements for a B.A. in Computer Science are:

2. The College's Foreign Language requirement (language III and IV)
3. The Department's Math requirement (Finite Math, Calculus, Statistics), and
4. 30 credits of selected Computer Science Courses

Enclosure

SUBJECT: Minor in Geography for Computer Science Majors

TO: Ruth J. Shirey, Chair
           Geography and Regional Planning

FROM: Thomas P. Cunningham, Chair _T.P.C._
           Curriculum Committee
           Computer Science Department

     As you may recall, we had an exchange of memoranda last
Spring semester regarding the appropriate courses for a minor in
Geography for computer science majors. If a student completes
the requirements for the computer science major (B.A.)* and a
minor approved by the Computer Science Department, he is then
awarded a B.S. in Computer Science.

*The requirements for a B.A. in Computer Science are:

1.   The University's General Education requirement

2.   The College's Foreign Language requirement (language III and IV)

3.   The Department's Math requirement (Finite Math, Calculus, Statistics), and

4.   30 credits of selected Computer Science Courses

Enclosure