

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

T.P.C.

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,

..... 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 CO 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

~~GE 416 Computer Assisted Cartography~~

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 GPA and completed at least six credits at IUP.

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 225 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
Prerequisite: Lower division students only

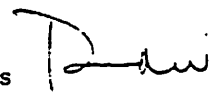
MK 320 Principles of Marketing



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.

~~I am pleased to see the economics minor that you have~~

whole.

Our conclusion is that it is very soundly constructed from an academic point of view, and from the viewpoint of a computer science student will find useful

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 Sciences

Minor in Economics (15 credits) including:

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

Indiana University of Pennsylvania
Computer Science Department

April 1, 1987

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

Indiana University of Pennsylvania

April 1, 1987

SUBJECT: Minor in Geography for Computer Science Majors

TO: Ruth J. Shiray, 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 following geography minor has been approved by the

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

1. The University's General Education requirements
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