Program Revision-B.A. in Computer Science

Part II. Description of Curriculum Change

1. Catalo	Description for	the Revised	Bachelor of A	arts- Computer Science
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Liberal Studies: As outlined in Liberal Studies section		50
with the following specifications:		
Mathematics: MATH 123 (1)		
Liberal Studies Electives: 4cr. MATH 216 (1)		
Major:		36
Required Courses:		
COSC 105 Fundamentals of Computer Science	3sh	
COSC 110 Problem Solving and Structured	5311	
Programming	3sh	
COSC 210 Object Oriented and GUI Programming	3sh	
COSC 220 Applied Computer Programming	4sh	
COSC 300 Assembly Language Programming	3sh	
COSC 310 Data Structures and Algorithms	3sh	
COSC 341 Intro to Database Management Systems	3sh	
	1sh	
COSC 380 Seminar on the Computer Profession		
COSC 480 Seminar on Technical Topics	lsh	
Controlled Electives:		
Select 6sh from the following: (2)		
COSC 250 Introduction to Numerical Methods	3sh	
COSC 304 Interactive Internet Programming with Java	3sh	
COSC 316 Cybersecurity Basics	3sh (3)	
COSC 319 Software Engineering Concepts	3sh	
COSC 320 Software Engineering Practice	3sh	
COSC 344 Productivity Tools and 4th	7011	
Generation Languages	3sh	
COSC 345 Data Communications	3sh	
COSC/IFMG 354 Testing and Controlling LANs	3sh	
COSC 355 Computer Graphics	3sh	
•	3sh	
COSC 356 Network Security	lsh	
COSC 360 IBM Job Control Language		
COSC 362 Unix Systems	3sh	
COSC 481 Special Topics in Computer Science		
(com) controlled affine and analysis,	l-4sh	
	l-4sh	
	12sh (4)	
IFMG 455 Data Warehousing & Mining	3sh	
Upper-level Electives by Categories:	6sh (5)	
Computer Architecture: COSC 410		
Theory of Languages: COSC 419, 420, 424, 460		
Systems Programming: COSC 430, 432		
Numerical Methods: COSC 427, 450, 451		
Artificial Intelligence: COSC 405		
Database Management: COSC 415		
Other Provincements		10
Other Requirements:		12
Additional Writing:	2 a b	
	3sh Ssh	
	sh(1)	
MATH 219 Discrete Mathematics		

Program Revision-B.A. in Computer Science

Total Degree Requirements:

22-28 Free Electives: 120

- MATH 123 can be substituted by taking both MATH 121 and 122. MATH 216 can be substituted by taking both MATH 214 and (1) 417 or both MATH 217 and 417.
- Select at least 6sh from the list of controlled electives. Note: Only 4sh of COSC 493 may be counted toward these 6sh. (2)
- COSC 316 cannot be counted for major credit if a student does an Information Assurance minor. (3)
- COSC 493 may be selected in either the second semester of the junior year or the first semester of the senior year. (4) If COSC 493 is selected and approved, COSC 380 should be taken in the immediately preceding semester
- Select at least two additional courses, from at least two different categories, from the list of upper-level electives. (5)

Program Revision-B.A. in Computer Science

2. Summary of Changes

Side-by-side comparison of Current and Proposed programs (the additions are shown in italics).

Current Program

Bachelor of Arts - Computer Science

Liberal Studies: As outlined in Liberal Studies 55-58 section with the following specifications: Mathematics: MATH 123 (or MATH 121 and 122) Liberal Studies Electives: MATH 216 (or MATH 214 or 217), no courses with COSC prefix

Major: 36 **Required Courses:** COSC 105 Fundamentals of Computer Science 3sh COSC 110 Problem Solving and Structured Programming 3sh COSC 210 Object Oriented and GUI Programming 3sh **COSC 220 Applied Computer Programming** 4sh COSC 300 Assembly Language Programming 3sh COSC 310 Data Structures and Algorithms 3sh COSC 341 Intro to Database Management Systems 3sh COSC 380 Seminar on the Computer Profession 1sh **COSC 480 Seminar on Technical Topics** 1sh **Controlled Electives:** Select 6sh from the following: (1) COSC 250 Introduction to Numerical Methods 3sh COSC 304 Interactive Internet Programming with Java 3sh COSC 319 Software Engineering Concepts 3sh COSC 320 Software Engineering Practice 3sh COSC 344 Productivity Tools and 4th Generation Languages 3sh **COSC 345 Data Communications** 3sh COSC/IFMG 354 Testing and Controlling LANs 3sh **COSC 355 Computer Graphics** 3sh COSC 360 IBM Job Control Language 1sh COSC 362 Unix Systems 3sh COSC 481 Special Topics in Computer Science (only sections approved for majors) 1-4sh COSC 482 Independent Study 1-4sh COSC 493 Internship in Computer Science 12sh(2) IFMG 455 Data Warehousing & Mining 3sh **Upper-level Electives by Categories:** 6sh(3) Computer Architecture: COSC 410 Theory of Languages: COSC 419, 420, 424, 460 Systems Programming: COSC 430, 432 Numerical Methods: COSC 450, 451 Artificial Intelligence: COSC 405

Other Requirements: 6-22 Additional Writing: ENGL 322 Technical Writing 3sh Foreign Language Intermediate Level 0-6sh(4)Additional Mathematics: 3-13sh(5) MATH 123 Calculus I for Physics, Chemistry and Mathematics (MATH 121 and 122 may be substituted) MATH 216 Probability and Statistics for Natural Sciences (MATH 363 and 364, MATH 214 and 417, or MATH 217 and 417 may be substituted)

Database Management: COSC 415

MATH 219 Discrete Mathematics

Proposed Program

Bachelor of Arts - Computer Science

Liberal Studies: As outlined in Liberal Studies 50 section with the following specifications: Mathematics: MATH 123 (1) Liberal Studies Electives: 4cr. MATH 216 (1)

COSC 105 Fundamentals of Computer Science COSC 110 Problem Solving and Structured Programming COSC 210 Object Oriented and GUI Programming COSC 220 Applied Computer Programming COSC 300 Assembly Language Programming COSC 310 Data Structures and Algorithms COSC 341 Intro to Database Management Systems COSC 380 Seminar on the Computer Profession COSC 480 Seminar on Technical Topics Controlled Electives: Select 6sh from the following: (2) COSC 250 Introduction to Numerical Methods COSC 304 Interactive Internet Programming with Java COSC 316 Cybersecurity Basics COSC 319 Software Engineering Concepts COSC 320 Software Engineering Practice 3sh COSC 344 Productivity Tools and 4th Generation Languages COSC 345 Data Communications COSC 355 Computer Graphics COSC 356 Network Security COSC 360 IBM Job Control Language (only sections approved for majors) 1-4sh COSC 482 Independent Study	Major:	36
COSC 110 Problem Solving and Structured Programming COSC 210 Object Oriented and GUI Programming COSC 220 Applied Computer Programming COSC 300 Assembly Language Programming COSC 310 Data Structures and Algorithms COSC 311 Intro to Database Management Systems COSC 380 Seminar on the Computer Profession COSC 480 Seminar on Technical Topics Controlled Electives: Select 6sh from the following: (2) COSC 250 Introduction to Numerical Methods COSC 304 Interactive Internet Programming with Java Sah COSC 316 Cybersecurity Basics COSC 319 Software Engineering Concepts COSC 320 Software Engineering Practice 3sh COSC 344 Productivity Tools and 4th Generation Languages COSC 345 Data Communications COSC 345 Data Communications COSC 356 Network Security COSC 360 IBM Job Control Language COSC 361 Special Topics in Computer Science (only sections approved for majors) COSC 482 Independent Study 1sh COSC 482 Independent Study 3sh COSC 482 Independent Study 3sh COSC 486 Independent Study 3sh COSC 486 Independent Study 3sh COSC 486 Independent Study	Required Courses:	
COSC 210 Object Oriented and GUI Programming COSC 220 Applied Computer Programming COSC 300 Assembly Language Programming COSC 310 Data Structures and Algorithms COSC 341 Intro to Database Management Systems COSC 380 Seminar on the Computer Profession COSC 480 Seminar on Technical Topics Controlled Electives: Select 6sh from the following: (2) COSC 250 Introduction to Numerical Methods COSC 304 Interactive Internet Programming with Java Ssh COSC 316 Cybersecurity Basics COSC 319 Software Engineering Concepts COSC 320 Software Engineering Practice Scherich Additional And Cosc 344 Productivity Tools and 4th Generation Languages COSC 345 Data Communications COSC 355 Computer Graphics COSC 356 Network Security COSC 360 IBM Job Control Language COSC 362 Unix Systems COSC 481 Special Topics in Computer Science (only sections approved for majors) COSC 482 Independent Study 3sh		
COSC 220 Applied Computer Programming COSC 300 Assembly Language Programming COSC 310 Data Structures and Algorithms COSC 311 Intro to Database Management Systems COSC 380 Seminar on the Computer Profession COSC 480 Seminar on Technical Topics Controlled Electives: Select 6sh from the following: (2) COSC 250 Introduction to Numerical Methods COSC 304 Interactive Internet Programming with Java COSC 316 Cybersecurity Basics COSC 319 Software Engineering Concepts COSC 320 Software Engineering Practice COSC 344 Productivity Tools and 4th Generation Languages COSC 345 Data Communications COSC 345 Data Communications COSC 356 Network Security COSC 360 IBM Job Control Language (only sections approved for majors) 1-4sh COSC 482 Independent Study		2
COSC 300 Assembly Language Programming COSC 310 Data Structures and Algorithms 3sh COSC 311 Intro to Database Management Systems COSC 380 Seminar on the Computer Profession COSC 480 Seminar on Technical Topics Controlled Electives: Select 6sh from the following: (2) COSC 250 Introduction to Numerical Methods COSC 304 Interactive Internet Programming with Java 3sh COSC 316 Cybersecurity Basics COSC 319 Software Engineering Concepts 3sh COSC 320 Software Engineering Practice 3sh COSC 344 Productivity Tools and 4th Generation Languages 3sh COSC 345 Data Communications 3sh COSC 355 Computer Graphics COSC 356 Network Security COSC 360 IBM Job Control Language 1sh COSC 362 Unix Systems COSC 481 Special Topics in Computer Science (only sections approved for majors) 1-4sh COSC 482 Independent Study		00
COSC 310 Data Structures and Algorithms COSC 341 Intro to Database Management Systems COSC 380 Seminar on the Computer Profession COSC 480 Seminar on Technical Topics Controlled Electives: Select 6sh from the following: (2) COSC 250 Introduction to Numerical Methods COSC 304 Interactive Internet Programming with Java COSC 316 Cybersecurity Basics COSC 319 Software Engineering Concepts COSC 320 Software Engineering Practice 3sh COSC 344 Productivity Tools and 4th Generation Languages COSC 345 Data Communications COSC 355 Computer Graphics COSC 356 Network Security COSC 360 IBM Job Control Language COSC 362 Unix Systems COSC 481 Special Topics in Computer Science (only sections approved for majors) COSC 482 Independent Study 3sh		
COSC 341 Intro to Database Management Systems COSC 380 Seminar on the Computer Profession COSC 480 Seminar on Technical Topics Select 68h from the following: (2) COSC 250 Introduction to Numerical Methods COSC 304 Interactive Internet Programming with Java Sah COSC 316 Cybersecurity Basics COSC 319 Software Engineering Concepts COSC 320 Software Engineering Practice Seneration Languages COSC 344 Productivity Tools and 4th Generation Languages COSC 345 Data Communications COSC 345 Data Communications COSC 356 Network Security COSC 360 IBM Job Control Language COSC 360 IBM Job Control Language COSC 361 Special Topics in Computer Science (only sections approved for majors) COSC 482 Independent Study		
COSC 380 Seminar on the Computer Profession COSC 480 Seminar on Technical Topics Controlled Electives: Select 6sh from the following: (2) COSC 250 Introduction to Numerical Methods COSC 304 Interactive Internet Programming with Java COSC 316 Cybersecurity Basics COSC 319 Software Engineering Concepts COSC 320 Software Engineering Practice 3sh COSC 344 Productivity Tools and 4th Generation Languages COSC 345 Data Communications COSC 345 Data Communications COSC 355 Computer Graphics COSC 356 Network Security COSC 360 IBM Job Control Language COSC 362 Unix Systems COSC 481 Special Topics in Computer Science (only sections approved for majors) COSC 482 Independent Study		
COSC 480 Seminar on Technical Topics Controlled Electives: Select 6sh from the following: (2) COSC 250 Introduction to Numerical Methods COSC 304 Interactive Internet Programming with Java 3sh COSC 316 Cybersecurity Basics COSC 319 Software Engineering Concepts COSC 320 Software Engineering Practice 3sh COSC 344 Productivity Tools and 4th Generation Languages COSC 345 Data Communications COSC 345 Data Communications COSC 355 Computer Graphics COSC 356 Network Security COSC 360 IBM Job Control Language 1sh COSC 362 Unix Systems COSC 481 Special Topics in Computer Science (only sections approved for majors) 1-4sh COSC 482 Independent Study		
Controlled Electives: Select 6sh from the following: (2) COSC 250 Introduction to Numerical Methods COSC 304 Interactive Internet Programming with Java 3sh COSC 316 Cybersecurity Basics COSC 319 Software Engineering Concepts COSC 320 Software Engineering Practice 3sh COSC 344 Productivity Tools and 4th Generation Languages COSC 345 Data Communications COSC 345 Testing and Controlling LANs COSC 355 Computer Graphics COSC 356 Network Security COSC 360 IBM Job Control Language 1sh COSC 362 Unix Systems COSC 481 Special Topics in Computer Science (only sections approved for majors) 1-4sh COSC 482 Independent Study		
Select 6sh from the following: (2) COSC 250 Introduction to Numerical Methods COSC 304 Interactive Internet Programming with Java COSC 316 Cybersecurity Basics COSC 319 Software Engineering Concepts COSC 320 Software Engineering Practice 3sh COSC 320 Software Engineering Practice 3sh COSC 344 Productivity Tools and 4th Generation Languages 3sh COSC 345 Data Communications 3sh COSC 345 Testing and Controlling LANs COSC 355 Computer Graphics 3sh COSC 356 Network Security 3sh COSC 360 IBM Job Control Language 1sh COSC 362 Unix Systems COSC 362 Unix Systems COSC 481 Special Topics in Computer Science (only sections approved for majors) 1-4sh COSC 482 Independent Study	•	1 sh
COSC 250 Introduction to Numerical Methods COSC 304 Interactive Internet Programming with Java COSC 316 Cybersecurity Basics COSC 319 Software Engineering Concepts COSC 320 Software Engineering Practice 3sh COSC 344 Productivity Tools and 4th Generation Languages COSC 345 Data Communications COSC 345 Testing and Controlling LANs COSC 355 Computer Graphics COSC 356 Network Security COSC 360 IBM Job Control Language 1sh COSC 362 Unix Systems COSC 481 Special Topics in Computer Science (only sections approved for majors) COSC 482 Independent Study 3sh COSC 364 Independent Study	Controlled Electives:	
COSC 304 Interactive Internet Programming with Java 3sh COSC 316 Cybersecurity Basics 3sh (3) COSC 319 Software Engineering Concepts 3sh COSC 320 Software Engineering Practice 3sh COSC 344 Productivity Tools and 4th Generation Languages 3sh COSC 345 Data Communications 3sh COSC/IFMG 354 Testing and Controlling LANs 3sh COSC 355 Computer Graphics 3sh COSC 356 Network Security 3sh COSC 360 IBM Job Control Language 1sh COSC 362 Unix Systems 3sh COSC 481 Special Topics in Computer Science (only sections approved for majors) 1-4sh COSC 482 Independent Study 1-4sh	U \ '	
with Java 3sh COSC 316 Cybersecurity Basics 3sh (3) COSC 319 Software Engineering Concepts 3sh COSC 320 Software Engineering Practice 3sh COSC 344 Productivity Tools and 4th 3sh Generation Languages 3sh COSC 345 Data Communications 3sh COSC/IFMG 354 Testing and Controlling LANs 3sh COSC 355 Computer Graphics 3sh COSC 356 Network Security 3sh COSC 360 IBM Job Control Language 1sh COSC 362 Unix Systems 3sh COSC 481 Special Topics in Computer Science (only sections approved for majors) 1-4sh COSC 482 Independent Study 1-4sh		3sh
COSC 316 Cybersecurity Basics COSC 319 Software Engineering Concepts COSC 320 Software Engineering Practice 3sh COSC 344 Productivity Tools and 4th Generation Languages 3sh COSC 345 Data Communications 3sh COSC/IFMG 354 Testing and Controlling LANs COSC 355 Computer Graphics 3sh COSC 356 Network Security 3sh COSC 360 IBM Job Control Language 1sh COSC 362 Unix Systems 3sh COSC 481 Special Topics in Computer Science (only sections approved for majors) 1-4sh COSC 482 Independent Study 1-4sh	COSC 304 Interactive Internet Programming	
COSC 319 Software Engineering Concepts COSC 320 Software Engineering Practice 3sh COSC 344 Productivity Tools and 4th Generation Languages 3sh COSC 345 Data Communications 3sh COSC/IFMG 354 Testing and Controlling LANs COSC 355 Computer Graphics 3sh COSC 356 Network Security 3sh COSC 360 IBM Job Control Language 1sh COSC 362 Unix Systems 3sh COSC 481 Special Topics in Computer Science (only sections approved for majors) 1-4sh COSC 482 Independent Study 1-4sh	with Java	3sh
COSC 320 Software Engineering Practice COSC 344 Productivity Tools and 4th Generation Languages COSC 345 Data Communications COSC/IFMG 354 Testing and Controlling LANs COSC 355 Computer Graphics COSC 356 Network Security COSC 360 IBM Job Control Language 1sh COSC 362 Unix Systems COSC 481 Special Topics in Computer Science (only sections approved for majors) COSC 482 Independent Study 1-4sh		lsh (3)
COSC 344 Productivity Tools and 4th Generation Languages 3sh COSC 345 Data Communications 3sh COSC/IFMG 354 Testing and Controlling LANs COSC 355 Computer Graphics 3sh COSC 356 Network Security 3sh COSC 360 IBM Job Control Language 1sh COSC 362 Unix Systems 3sh COSC 481 Special Topics in Computer Science (only sections approved for majors) 1-4sh COSC 482 Independent Study 1-4sh		3sh
Generation Languages 3sh COSC 345 Data Communications 3sh COSC/IFMG 354 Testing and Controlling LANs COSC 355 Computer Graphics 3sh COSC 356 Network Security 3sh COSC 360 IBM Job Control Language 1sh COSC 362 Unix Systems 3sh COSC 481 Special Topics in Computer Science (only sections approved for majors) 1-4sh COSC 482 Independent Study 1-4sh		3sh
COSC 345 Data Communications COSC/IFMG 354 Testing and Controlling LANs COSC 355 Computer Graphics COSC 356 Network Security 3sh COSC 360 IBM Job Control Language 1sh COSC 362 Unix Systems COSC 481 Special Topics in Computer Science (only sections approved for majors) COSC 482 Independent Study 1-4sh	COSC 344 Productivity Tools and 4th	
COSC/IFMG 354 Testing and Controlling LANs COSC 355 Computer Graphics 3sh COSC 356 Network Security 3sh COSC 360 IBM Job Control Language 1sh COSC 362 Unix Systems 3sh COSC 481 Special Topics in Computer Science (only sections approved for majors) 1-4sh COSC 482 Independent Study 1-4sh		20
COSC 355 Computer Graphics 3sh COSC 356 Network Security 3sh COSC 360 IBM Job Control Language 1sh COSC 362 Unix Systems 3sh COSC 481 Special Topics in Computer Science (only sections approved for majors) 1-4sh COSC 482 Independent Study 1-4sh	~ · · · · · · · · · · · · · · · · · · ·	3sh
COSC 356 Network Security COSC 360 IBM Job Control Language 1sh COSC 362 Unix Systems 3sh COSC 481 Special Topics in Computer Science (only sections approved for majors) 1-4sh COSC 482 Independent Study 1-4sh		3sh
COSC 360 IBM Job Control Language 1sh COSC 362 Unix Systems 3sh COSC 481 Special Topics in Computer Science (only sections approved for majors) 1-4sh COSC 482 Independent Study 1-4sh	COSC 355 Computer Graphics	3sh
COSC 362 Unix Systems 3sh COSC 481 Special Topics in Computer Science (only sections approved for majors) 1-4sh COSC 482 Independent Study 1-4sh	COSC 356 Network Security	3sh
COSC 481 Special Topics in Computer Science (only sections approved for majors) 1-4sh COSC 482 Independent Study 1-4sh	COSC 360 IBM Job Control Language	1 sh
(only sections approved for majors) 1-4sh COSC 482 Independent Study 1-4sh	COSC 362 Unix Systems	3sh
COSC 482 Independent Study 1-4sh	COSC 481 Special Topics in Computer Science	
	(only sections approved for majors)	1-4sh
COSC 403 Internship in Computer Science 12sh (4)		
COSC 495 internship in Computer Science 123h (4)	COSC 493 Internship in Computer Science	2sh (4)
IFMG 455 Data Warehousing & Mining 3sh	IFMG 455 Data Warehousing & Mining	3sh

Upper-level Electives by Categories: 6sh (5) Computer Architecture: COSC 410 Theory of Languages: COSC 419, 420, 424, 460 Systems Programming: COSC 430, 432 Numerical Methods: COSC 427, 450, 451 Artificial Intelligence: COSC 405 Data Base Management: COSC 415

Other Requirements: Additional Writing: ENGL 322 Technical Writing 3sh Foreign Language **⊘** −6sh Additional Mathematics: 3sh (1) MATH 219 Discrete Mathematics

Program Revision-B.A. in Computer Science Current Program

Free Electives: 8-27

Total Degree Requirements:

Proposed Program
Free Electives:

124

22-28

Total Degree Requirements:

120

- (1) Select at least 6sh from the list of controlled electives and/or the list of upper-level electives. Note: Only 4sh of COSC 493 may be counted toward these 6sh.
- (2) COSC 493 may be selected in either the second semester of the junior year or the first semester of the senior year. If COSC 493 is selected and approved, COSC 380 should be taken in the immediately preceding semester
- (3) Select at least two additional courses, from at least two different categories, from the list of upper-level electives.
- (4) Foreign Language intermediate-level courses are counted as Liberal Studies electives.
- (5) Any of the Mathematics options satisfy the Learning Skill requirement, and one course may be counted as a Liberal Studies elective. The three-credit minimum applies to students who take MATH 123 and 216. The thirteen-credit maximum applies to students who take the MATH 121and 122 calculus options and the MATH 363-364 statistics option.
- (1) MATH 123 can be substituted by taking both MATH 121 and 122. MATH 216 can be substituted by taking both MATH 214 and 417 or both MATH 217 and 417. The three-credit minimum applies to students who take MATH 123 and 216. The nine-credit maximum applies to students who do not take MATH 123 and MATH 216 but choose alternatives in addition to MATH 219.
- (2) Select at least 6sh from the list of controlled electives.

 Note: Only 4sh of COSC 493 may be counted toward these 6sh.
- (3) COSC 316 cannot be counted for major credit if a student does an Information Assurance minor.
- (4) COSC 493 may be selected in either the second semester of the junior year or the first semester of the senior year. If COSC 493 is selected and approved, COSC 380 should be taken in the immediately preceding semester.
- (5) Select at least two additional courses, from at least two different categories, from the list of upper-level

3. Summary of Changes and Justification:

- a) MATH 122 is deleted because only 3 or 4sh are needed for the Math component of Liberal Studies. If student takes MATH 121, she/he must also take MATH 122 for the Computer Science requirement (equivalent to MATH 123) but not as a Liberal Studies requirement.
- b) Two new courses, COSC 316 and 356 were added in the controlled electives. These two courses are required for the Information Assurance (IA) track. Students from BA in Computer Science track expressed interest to take these courses. To provide an opportunity to these students we added the above two courses in controlled electives group. Using the same argument we also added COSC 427, which is also another course for the IA track, in upper-level electives.
- c) MATH 363 has been deleted from the proposed program because the prerequisite for this course is MATH 216. Our students must take MATH 216, which by itself satisfies the statistics requirement for Computer Science majors. Therefore, it is redundant to keep MATH 363. (Please see the supporting letter from the Mathematics department). MATH 364 is also deleted because the prerequisite for this course is MATH 363. (Please see the supporting letter from the Mathematics department).
- 4. Letter of Support: Attached

From: Jim Wolfe <jlwolfe@iup.edu>
Subject: [Fwd: Support for COSC Changes]
Date: Mon, 03 Feb 2003 09:59:04 -0500
To: Sanwar Ali <sanwar@iup.edu>

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Here is the letter of support from Math.

From: "Gary Stoudt" <gary.stoudt@verizon.net>
Subject: Support for COSC Changes
Date: Mon, 3 Feb 2003 09:54:15 -0500
To: "Jim Wolfe" <jlwolfe@iup.edu>

Jim

The Mathematics Department supports the removal of MATH 363/364 from the choices for "Additional Mathematics" in all Computer Science degree programs. MATH 363/364 is a course sequence in the theory of probability and statistics and carries a prerequisite of MATH 216. MATH 216 by itself will satisfy the statistics requirement for Computer Science majors. This change will have no impact on enrollments in the Mathematics Department.

Gary

Gary Stoudt, Chairperson Mathematics Department