LSC Use Only No: LSC Action-			
246	02-39	02/4/03	App 2/2
Curriculum Proposal Cover Sh	eet - University-Wide Undergra	duate Curriculum	Committee
Contact Person	* * *	Email Address	
Dr. Lon Ferguson		Ferguson@iup.edu	
Proposing Department/Unit Safety Sciences Department		Phone 7-3019	
Check all appropriate lines and com	plete information as requested. Use		et for each cours
proposal and for each program prop			
1. Course Proposals (check all that a	annly)		
	Course Prefix Change	Course De	eletion
Course Revision	Course Number and/or Title Char		
Current Course prefix, number and full title		efix, number and full title,	if changing
2. Additional Course Designations:		0.1 / 777	1 G. 1'
This course is also proposed	as a Liberal Studies Course.	_ Other: (e.g., wome Pan-African)	n's Studies,
Course.	and and a second control of	1 un 1 micum)	
	Catalan Dannintin Class	WWW D	D
3. Program Proposals	Catalog Description Change	XXX_Progra	m Revision
New Degree Program	Program Title Change	Other	
New Minor Program	New Track		
B.S. Degree in Safety Sciences			
Current program name	<u>Proposed</u> program	name, if changing	
		, , , , , ,	
4. Approvals			Date
4. Approvals Department Curriculum Committee	Lan H. Fera year	~	Date / O/18/03
Department Curriculum Committee	Lan H. Tergusa	~	1 1
	Lan H. Terguson	~	10/18/02
Department Curriculum Committee	Lan H. Tergusa Lan H. Fergusa	~	1 1
Department Curriculum Committee Chair(s)	Lan H. Tergusa Lan H. Fugusa	~	10/18/02
Department Curriculum Committee Chair(s)	Lan H. Terguson	~	10/18/02
Department Curriculum Committee Chair(s) Department Chair(s)	Lan H. Tergusa Lan H. Fugusa	~	10/18/02
Department Curriculum Committee Chair(s) Department Chair(s) College Curriculum Committee Chair	Lan H. Tergusa Lan H. Tergusa Afrey W. When	~	10/18/02
Department Curriculum Committee Chair(s) Department Chair(s) College Curriculum Committee Chair College Dean	Lan H. Tergusa Lan H. Tergusa Afrey W. When	~	10/18/02 10/18/02 11-22:02 25/10002
Department Curriculum Committee Chair(s) Department Chair(s) College Curriculum Committee Chair College Dean Director of Liberal Studies * Director of Honors College * Provost *	Lan H. Tergusa Lan H. Tergusa Afrey W. When		10/18/02 10/18/02 11-22:02 25/10002
Department Curriculum Committee Chair(s) Department Chair(s) College Curriculum Committee Chair College Dean Director of Liberal Studies * Director of Honors College * Provost * Additional signatures as appropriate:	Lan H. Tergusa Lan H. Tergusa Afrey W. When		10/18/02 10/18/02 11-22:02 25/10002
Department Curriculum Committee Chair(s) Department Chair(s) College Curriculum Committee Chair College Dean Director of Liberal Studies * Director of Honors College * Provost *	Lan H. Tergusa Lan H. Tergusa Afrey W. When		10/18/02 10/18/02 11-22:02 25/10002
Department Curriculum Committee Chair(s) Department Chair(s) College Curriculum Committee Chair College Dean Director of Liberal Studies * Director of Honors College * Provost * Additional signatures as appropriate:	Lan H. Tergusa Lan H. Tergusa Afrey W. When		10/18/02 10/18/02 11-22:02 25/10002
Department Curriculum Committee Chair(s) Department Chair(s) College Curriculum Committee Chair College Dean Director of Liberal Studies * Director of Honors College * Provost * Additional signatures as appropriate: (include title) UWUCC Co-Chairs.	Lan H. Tergusan Lan H. Fergusan Soffrey Grani May Sulla Gail S. Sechiest		10/18/02 10/18/02 11-22:02 25/10002
Department Curriculum Committee Chair(s) Department Chair(s) College Curriculum Committee Chair College Dean Director of Liberal Studies * Director of Honors College * Provost * Additional signatures as appropriate: (include title)	Lan H. Tergusan Lan H. Fergusan Soffrey Grani May Sulla Gail S. Sechiest		10/18/02 10/18/02 11-22-02 25/10002
Department Curriculum Committee Chair(s) Department Chair(s) College Curriculum Committee Chair College Dean Director of Liberal Studies * Director of Honors College * Provost * Additional signatures as appropriate: (include title) UWUCC Co-Chairs. * where applicab	Lan H. Ferguson Lon H. Ferguson Afrey White Garley Grove May Soll		10/18/02 10/18/02 11-22-02 25/10002
Department Curriculum Committee Chair(s) Department Chair(s) College Curriculum Committee Chair College Dean Director of Liberal Studies * Director of Honors College * Provost * Additional signatures as appropriate: (include title) UWUCC Co-Chairs.	Lan H. Ferguson Lon H. Ferguson Afrey Millian Gail S. Sechiest le	JAN 3 0 2003	10/18/02 10/18/02 11-22-02 25/10002
Department Curriculum Committee Chair(s) Department Chair(s) College Curriculum Committee Chair College Dean Director of Liberal Studies * Director of Honors College * Provost * Additional signatures as appropriate: (include title) UWUCC Co-Chairs. * where applicab	Lan H. Ferguson Lan H. Ferguson African Grani May Soll le 1		10/18/02 10/18/02 11-22:02 25 /100 02 1-30-03

PROGRAM REVISION FOR THE BACHELOR OF SCIENCE **DEGREE IN SAFETY SCIENCES**

Fall 2003

Part II. Description of Curriculum Change

1. Catalog Description

There will be two minor change to the catalog description for the program and we have added a brief description for the minor in safety sciences. These changes are in "bold".

The department offers a minor and a Bachelor of Science degree in Safety Sciences with a focus on occupational safety and health. The program in Safety Sciences prepares the student for professional, administrative, managerial and supervisory positions in industry. manufacturing, insurance, transportation, utility, government, construction, trade service industries and others. There remains a need in Pennsylvania and the nation for university educated occupational safety and health professionals. The curriculum includes a major of 41 credit hours in Safety Sciences and an additional 15 credit hours in related professional courses. A variety of elective courses is available in both the major and professional fields that enable students to strengthen their primary interest areas.

Bachelor of Science-Safety Sciences

Liberal Studies: specifications:	As outlined in Liberal Studies section with the following		52 cr
Natural Scien	: (3 credits) MATH 217 nces: CHEM 101 & 102 ces: PSYC 101, SOC 151, non western culture required ces Electives: (7 credits) ECON 122 and MATH 121		
Major:			41 cr
Required Course	es:		
SAFE 101	Introduction to Occupational Safety & Health	3 cr	
SAFE 111	Principles of Industrial Safety I	3 cr.	
SAFE 210	Environmental Safety & Health Regulations	3 cr.	
SAFE 211	Principles of Industrial Safety II	4 cr.	
SAFE 301	Health Hazard Identification	3 cr	

3 cr.

3 cr.

SAFE 345	Systems	3 cr.
SAFE 347	Ergonomics	3 cr.
SAFE 402	Health Hazard Evaluation	3 cr.
SAFE 412	Hazard Prevention Management	4 cr.
SAFE 488 or 493	Safety Internship	6 cr.

Control of Health Hazards

Industrial Fire Protection

Other Requirements: 27 cr

Additional Science and Mathematics:

SAFE 303

SAFE 311

BIOL 155	Human Physiology & Anatomy	4 cr
PHYS 111	Physics I Lecture	3 cr
PHYS 112	Physics II Lecture	3 cr

Physics I Lab	1 cr	
Physics II Lab	1 cr	
ırses:		
ess & Interpersonal Communications	3 cr	
MGMT 311 Human Behavior in Organizations		
hat form a concentration in a professional area	9 cr	
equirements:	120 cr	
	Physics II Lab urses: ess & Interpersonal Communications an Behavior in Organizations hat form a concentration in a professional area	

Minor - Safety Sciences

18 cr

The minor in Safety Sciences consists of 18 credit hours in Safety Sciences courses as identified below. The minor in Safety Sciences has improved job opportunities for students in Environmental Health, Environmental Geoscience, Criminology, Human Resource Management, International Business and Management.

Required Courses SAFE 101 Introduction to Occupational Safety and Health SAFE 111 Principles of Industrial Safety I SAFE 301 Health Hazard Identification	3cr 3cr 3cr
Controlled Electives Three SAFE courses approved by department chair	9cr

2. Summary of Changes

a. Table 1 summarizes the proposed changes in the Safety Sciences Curriculum. Table 1 "Program Comparison" illustrates program changes for the entire curriculum based on the Liberal Studies Requirements, Professional Courses, Free Electives, Prerequisite Courses, and SA Major Courses. Again, the specific changes are in **bold** and *italicized*.

TABLE 1. PROGRAM COMPARISON

Current Safety Sciences Program Revised Safety Sciences Program

	- to the date of the grain
LIBERAL STUDIES	LIBERAL STUDIES
English Composition: EN 101 & 202 - 7 cr.	English Composition: ENGL 101 & 202 - 7 cr.
Mathematics: MA 121 - 4 cr.	N'athematics: MATH 121 - 4 cr.
Humanities: HI 195, EN/FL 121 & Philosophy/Religious Study Elective - 9 cr.	Humanities: HIST 195, ENGL/FNGL 121 OR ENGL 122 & Philosophy/Religious Study Elective - 9 cr.
Fine Arts Elective - 3 cr.	Fine Arts Elective - 3 cr.
Natural Science: CH101-102 - 8 cr.	Natural Science: CHEM101-102 - 8 cr.
Social Science: PC 101, SO 151 & non western culture required- 9 cr.	Social Science: PSYC 101, SOC 151 & non western culture required - 9 cr.
Health & Wellness: HP 143 or FN 143 - 3 cr. or MS101 - 102 Military Science - 4 cr.	Health & Wellness: HPED 143 or FDNT 143 - 3 cr. or MLSC 101-102 Military Science - 4 cr.
Electives: EC 122, MA 217, CO/IM/BE 101, no course with SA prefix 9cr.	E ectives: ECON 122, MATH 217, no course with SAFE prefix 6 cr.
Synthesis Course - 3 cr.	Synthesis Course - 3 cr.
Total Liberal Studies: 55-56	Total Liberal Studies: 52-53

PROFESSIONAL COURSES	PROFESSIONAL COURSES
MG 311 Human Behavior in Organizations - 3 cr.	MGMT 311 Human Behavior in Organizations - 3 cr.
AD 321 Business & Interpersonal Commun 3cr.	BTST 321 Business & Interpersonal Commun 3cr.
AD 231 Speech Communication for Prof. 1cr	REMOVED
Three professional courses approved by advisor -9	
cr.	Three courses approved by advisor that form a concentration in a professional area -9 cr.
Total Professional Courses: 16 cr.	tal Professional Courses: 15cr.
Total Professional Courses. To Cr.	rai Floressional Courses. 19CI.
SA PREREQUISITE COURSES	SAFE PREREQUISITE COURSES
PY 111 & 112 - 4 cr	PHYS 111 & 112 - 4 cr.
PY 121 & 122 - 4 cr.	PHYS 121 & 122 - 4 cr.
BI 155 - 4 cr.	BIOL 155 - 4 cr.
Total Prerequisite Courses: 12 cr.	Total Prerequisite Courses: 12 cr.
SA REQUIRED COURSES	SAFE REQUIRED COURSES
SA 101 Intro. to Occup. Safety & Health - 3 cr.	FE 101 Intro. to Occup. Safety & Health - 3 cr.
SA 111 Principles of Industrial Safety I - 3 cr.	SAFE 111 Principles of Industrial Safety I - 3 cr.
SA 210 Environ. Safety & Health Regul 3cr.	SAFE 210 Environ. Safety & Health Regul 3cr.
SA 211 Principles of Industrial Safety II - 4 cr.	STE 211 Principles of Industrial Safety II - 4 cr.
SA 301 Health Hazard Identification - 3 cr	SAFE 301 Health Hazard Identification - 3 cr
SA 303 Control of Health Hazards - 3 cr.	SAFE 303 Control of Health Hazards - 3 cr.
SA 311 Industrial Fire Protection - 3 cr.	AFE 311 Industrial Fire Protection - 3 cr.
SA 345 Systems - 3 cr.	SAFE 345 Systems - 3 cr.
SA 347 Ergonomics - 3 cr.	AFE 347 Ergonomics - 3 cr.
SA 402 Health Hazard Evaluation - 3 cr.	FE 402 Health Hazard Evaluation - 3 cr.
SA 412 Hazard Prevention Management - 4 cr.	FE 412 Hazard Prevention Management - 4 cr.
SA 493 Safety Internship - 6 cr. or SA 488 Safety	FE 493 Safety Internship - 6 cr. or SAFE 488
Internship - 12 cr. (If SA 488 is used, 6 credits are	fety Internship - 12 cr. (If SAFE 488 is used, 6
counted toward the Professional Electives).	edits are counted toward the Professional ectives).
Credits in Major: 41 cr.	edits in Major: 41 cr.
Total Degree Requirements: 124-125 cr.	tal Degree Requirements: 120 cr.

b. List of all associated course changes:

- SAFE 101 Introduction to Occupational Safety and Health
 Minor course revision to update objectives and course content.
- SAFE 211 Principles of Industrial S ety II
 Minor course revision to update objectives and course content.
- SAFE 311 Industrial Fire Protection
 Course revision to update objective course content and add a laboratory component to this course.
- SAFE 345 Systems Safety
 Minor course revision to update of a ctives and course content.

SAFE 347 Ergonomics

Minor course revision to update oblittives and course content.

• SAFE 412 Hazard Prevention Management

Minor course revision to update objectives and course content.

BTST 231 Speech Communication

Remove as a requirement for the pregram.

Remove three credits from the list Liberal Studies Electives

Remove COSC/IFMG/BEDU 101 a Liberal Studies Elective requirement for the

program.

3. Rationale for Program Changes:

A. Remove BTST 231 Speech Communication (formerly AD 231).

Rationale: BTST 231 was added to the \$4 curriculum in 1999 because at that time our accreditation organization (Related Accreditation Commission of the Accreditation Board for Engineering and Technology) required a course in Speech Communications. During a site visit in 1998, the ABET site visit team did not agree that BTST 321 provided enough speech (verbal communications). In their report to the university in September 1998, they indicate we must require our students to take a classifinatis primarily directed at teaching speech principles. Therefore, BTST 231 Speech Communications was specifically created by the BTST Department for our students with the speed that students from other majors would also be interested in taking the course. Unf tunately, there has been insufficient enrollment the last two years to offer the course and it has been cancelled during the Fall 2000, 2001, and 2002 semesters. Because of this fact, the department has waived the course for some of the current students ap; lying for graduation because it was not available for them to take the past three years.

In addition, since 1999, the Related Accreation Commission has become the Applied Sciences Commission and starting in 200 based criteria. There is no longer a require lent for a "speech" course but there is the following program outcome: "Graduates sha demonstrate proficiency in written composition and oral communications."

e commission has converted to an "outcomes"

communications.

Based on the above, SA Department Facility believe our current program with requirements for BTST 321 Business and Interpersonal Communications, English 202 Research Writing and numerous requirements in SAFE courses for written and oral communications provide enough coverage that we can demonstrate our students have proficiency in written and oral

B. Add a laboratory to SAFE 311 Industrial F = Protection.

Rationale: In 2000, the department received outside financial support and equipment donations that allowed us to finish the fire to poratory in room 110 of Johnson Hall. The fire laboratory now has the capability to demonstrate a variety of fire suppression systems including a wet pipe, dry pipe and deluge system in addition to a variety of detection and alarm systems. This new equipment in addition to some other existing fire equipment now allows the department to expand this course to include some hands-on laboratory exercises for the students. There will be 14 laboratory exercises which will cover the following topics:

- Design of Paint Spray Booths
- Emergency Response ans
- Life Safety
- Portable Fire Extinguish∈ s
- Sprinkler Systems
- Design of Flammable Licuid Storage Rooms
- Electricity as a Fire Hadard
- Response to Hazardous Materials
- Fire Inspections and Arm ts
- C. Require students to take three courses to f rm a concentration in a professional area.

Rationale: The Safety Sciences has always been a very multidisciplinary profession requiring students to have both a strong technical and managerial background. Today, the role of the safety professional has expanded into areas not even considered in the 1980's. Some of these new areas include: work; are violence, risk management and insurance, ethics, disaster preparedness, training, and human behavior. The expanding role of the profession is discussed in numerous publications including a study by the Institute of Medicine titled "Safe Work in the 21st Century – Education and Training Needs for the Next Decade's Occupational Safety and Health Professional". Surveys of our alumni over the past several years continue to discuss the need for addressing the expanding roles of the profession.

A "concentration" will be a set of three conservation ses in a professional area that a student and faculty advisor agree will enhance the solution formance as a safety professional. Department faculty believe this proposed change will benefit our students in two major ways:

- 1. Students will be able to take courses in professional areas that will enhance their performance as a safety professional.
- 2. The students will have the flexibility of choose the professional area they which to concentrate based on personal or professional interests.
- D. Remove COSC/IFMG/BEDU 101 as a inberal Studies Elective requirement for the program.

Rationale: To meet the Board of Governors manualted 120 credit maximum for a Baccalaureate Degree, IUP reduced the Liberal Studies Elective requirements from 9 credits to 0-9 credits. Therefore the department removed COSC/IFMG/BEDU 101 as a Liberal Studies Elective requirement in our program. Department Faculty believed many of our incoming high school students all adequate computer skills.

Part III implementation

1. How will the proposed revision affect students already in the existing program?

Removal of BTST 231 and COSC/IFMG/BEDU 101 starting with the Fall 2003 semester. Students already in the existing program who have not already taken these two courses will receive course waivers for both courses. For BTS 5 231 this is not a change from what we have been doing for the past two years. As mentioned previously, there has been insufficient enrollment the last three years to offer BTST 231 and it has been cancelled during the Fall 2000, 2001, and 2002 semesters. Current students applying for graduation received waivers because it was not available for them to take the past three years.

Addition of the laboratory for SAFE 311 Industrial Fire Protection. Current students in our program will take the revised SAFE 311 course which includes a laboratory component.

Require students to take three courses to form a succentration in a professional area. Current students will not be required to take three courses to form a concentration but will continue to take three courses as their professional elective courses.

2. Are faculty resources adequate?

No additional faculty are necessary to acrommodate these program and course changes.

3. Are other resources adequate?

We currently have adequate resources to accommandate the above changes. As mentioned previously, two years ago the department received at the above changes. As mentioned previously, two years ago the department received at the above changes. As mentioned previously, two years ago the department received at the above changes. As mentioned itside financial support and equipment donations that allowed us to finish the fire laboratory in room 110 of Johnson Hall. The fire laboratory now has the capability to demonstrate a variety of fire suppression systems including a wet pipe, dry pipe and deluge system addition to a variety of detection and alarm systems.

4. Do you expect an increase or decrease in the number of students as a result of these revisions?

Although we have decreased the number of cred the prowe do not expect these changes to affect enrolled in our passes an increased interest in our SAFE elective concentration. With average enrollment in these enrollment can easily be handled with existing factoring factoring.

the program by four from 124 to 120, in our program. We may eventually so now that we are requiring a ses below 10 the increased complement.

Part IV. Periodic Assessment

1. Describe the evaluation plan.

Periodic assessment of the program will evaluation. The internal evaluation This evaluation includes a review the

- I. Demonstrated their ability to antic hazard prevention/control designs
- II. Acquired those basic research states
- III. Developed an understanding of the within the Safety, Health and Env
- IV. Developed an ability to company teams.
- V. Acquired an ability to apply Safety, Health and Environmental
- VI. Developed an ability to and tize at the goal of preventing the continue lead to loss incidents.

This internal evaluation also includes a rerecommendations from our graduate suradvisory committee meets on a sermann being the evaluation of our progress. The safety, health, and educational pr 'ssic the department and two current Schare revisions included in this proposal result during the Spring 2002 semester.

For individual courses several diffusion te evaluate student-learning outcome following the criteria outlined in A Agreement (CBA). Both the Study E١ and the Student Evaluation of Tesaused to evaluate the instructors a distance education technologies. Student Evaluation Instrument when the

The external evaluation will be c period of time not to exceed six and complete a three day reviev. achievement of program outcon and resources. The program is assessment materials and a self will be the Fall 2003 semester.

both an internal and external ed annually by the department faculty. ing six program outcomes:

, identify, evaluate and develop thods, procedures and programs. ecessary to analyze and interpret data. rofessional and ethical responsibilities ental Profession. ffectively and work in multidisciplinary

s and sciences as it relates to the ession.

prove the management system with of hazardous acts and conditions that

of course outcomes. and our Advisory Committee. The asis with one of their responsibilities mmittee has a membership of twenty including two IUP faculty from outside es Faculty. Many of the SAFE Course m the internal evaluation that occurred

cation methodologies will be used to ructor of each class will be evaluated 42 of the Collective Bargaining

- a on Instrument for Distance Learning
- o Web Based (on-line) Courses will be
- r as when they are offered using or will be evaluated using the IUP arses are offered by "traditional means".

an ABET accreditation team for a

- nr e person team will visit our program
- r lum which will focus on the
- a review of facilities, faculty, students
- t ∋ process of preparing outcome
- r or the next accreditation visit which

2. Specify the frequency of the earth are

Internal evaluation of the progra The Department Advisory Comm ABET Accreditation evaluations c

- ed annually by Department faculty.
- w ur programs semi-annually and the

ery six years.

3. Identify the evaluating entity.

Internal Evaluation: Department For uncome distudents.

External Evaluations: Safety Scien Advisory Committee and the Accreditation Board for Engineering and Technology BET)

Part V. Course Proposals

The proposals for course revisions to SAFE 311, 345, 347 and 412 are attached. As mentioned earlier most of these revisior involve minor course changes, the one exception is SAFE 311 which is a major collaboratory.

Part VI. Letters of Support

A memo from the Technology Support and Train as Department Chair indicate their support for removing BTST 231 as a requirement for our support gram.

We have also sent memos to the Chairper. Is of the three dispartments offering Microbased Computer Literacy to inform the Administration of the Indian India

From:

"Ifszul" < Ifszul@iup.edu> < FERGUSON@iup.edu>

To: Sent:

Subject:

Thursday, September 19, 2002 3:34 PM BTST 231 Speech Communications

Lon,

Wayne forwarded your message concerning the removal of BTST 231 from your curriculum.

Please consider this email formal approval from the Department of Technology Support & Training for the removal of BTST 231, Speech Communications, from the B.S. in Safety Science.

Linda F. Szul, Chair Department of Technology Support & Training

----Original Message-----

From: Dr. Wayne Moore [mailto:moore@iup.edu] Sent: Thursday, September 19, 2002 2:55 PM

To: Ifszul@iup.edu

Subject: FW: BTST 231 Speech Communications

Linda--

As chair, please respond to Lon Ferguson that we support the removal of BTST231 from their curriculum.

Thanks

Wayne

----Original Message-----

From: Lon Ferguson [mailto:ferguson@iup.edu] Sent: Thursday, September 19, 2002 1:35 PM

To: moore@iup.edu Cc: ferguson@iup.edu

Subject: BTST 231 Speech Communications

Hi Wayne:

We are in the process of revising our B.S. Program in Safety Sciences and one of the changes we are proposing will affect your department. Specifically, we want to remove the requirement for BTST 231 Speech Communications. The rationale for this change follows:

BTST 231 was added to the SA curriculum in 1999 because at that time our accreditation organization (Related Accreditation Commission of the Accreditation Board for Engineering and Technology) required a course in Speech Communications. BTST 231 Speech Communications was specifically created by the BTST Department for our students with the hopes that students from other majors would also be interested in taking the course. Unfortunately, there has been insufficient enrollment the last two years to offer the course and it has been cancelled during the Fall 2000, 2001, and 2002 semesters. Because of this fact, the department has waived the course for some of the current students applying for graduation because it was not available for them to take the past two years.

In addition, since 1999, the Related Accreditation Commission has become the Applied Sciences Commission and starting in 2000 the commission has converted to an "outcomes" based criteria. There is no longer a requirement for a "speech" course but there is the following program outcome: "Graduates shall demonstrate proficiency in written composition and oral communications." Based on the above, SA Department Faculty believe our current program with requirements for BTST 321 Business and Interpersonal Communications, English 202 Research Writing and numerous requirements in SAFE courses for written and oral communications provide enough coverage that we can demonstrate our students have proficiency in written and oral communications.

Based on the above rationale would you please email or mail me a letter of support to make this change!

Thank You!

Dr. Lon H. Ferguson, CSP Chairperson, Safety Sciences Department Indiana University of Pennsylvania 116 Johnson Hall, 1010 Oakland Avenue Indiana, PA 15705

Linda F. Szul, Professor

From:

"Lon H Ferguson" <ferguson@iup.edu>

To:

<jlwolfe@iup.edu>

Cc:

<lbburky@iup.edu>

Sent: Subject: Thursday, November 07, 2002 5:34 PM Microbased Computer Literacy Course

Drs. Wolfe and Burky:

Just wanted to inform you that the Safety Sciences Department is currently changing the requirements for our B.S. program. Specifically, we are reducing the number of liberal studies electives from 3 courses to 2 courses to meet the state mandate of 120 credits.

Therefore, our students will no longer be required to take a microbased computer elective course!

Dr. Lon Ferguson
116 Johnson Hall
1010 Oakland Avenue
Indiana, PA 15705Dr. Lon Ferguson
116 Johnson Hall
1010 Oakland Avenue
Indiana, PA 15705

From:

"Lon H Ferguson" <ferguson@iup.edu>

To:

<lfszul@iup.edu> <ferguson@iup.edu>

Cc: Sent:

Thursday, November 07, 2002 5:37 PM

Attach:

ATT00011.eml

Subject: Fwd: Microbased Computer Literacy Course

Dr. Szul:

Just wanted to inform you that the Safety Sciences Department is currently changing the requirements for our B.S. program. Specifically, we are reducing the number of liberal studies electives from 3 courses to 2 courses to meet the state mandate of 120 credits.

Therefore, our students will no longer be required to take a microbased computer elective course!

Dr. Lon Ferguson 116 Johnson Hall 1010 Oakland Avenue Indiana, PA 15705

--- the forwarded message follows ---

From:

"Jim Wolfe" <jlwolfe@iup.edu>

To: Sent: Subject: "Lon H Ferguson" <ferguson@iup.edu> Sunday, November 17, 2002 5:38 PM Re: Microbased Computer Literacy Course

Dr. Ferguson,

On behalf of the Computer Science Department, I want to express our disappointment with your decision to no longer require Microbased Computer Literacy. We would expect that Safety Science students would have specific needs for the spreadsheet and database components of the course. We would think that the data analysis and information processing needed in the field of Safety Science would require graduates to use and create both spreadsheets and databases.

Our surveys and the exemption exam for the Microbased Computer Literacy course have revealed that although students often have some knowledge of wordprocessing from High School, they have little knowledge of spreadsheets and almost no knowledge of databases. We would presume that some courses you teach would require your students to make use of these information processing mechanisms. Hopefully, you have found some alternative way of addressing these needs.

Good luck with your revision.

Jim Wolfe Chair, Computer Science

DEPARTMENT OF SAFETY SCIENCES INDIANA UNIVERSITY OF PENNSYLVANIA

CURRICULUM SEQUENCE

Name .		Banner	User ID		Advisor		Expected	Graduation
Senester SI	H Sem	Year	Grade	Note	Semester	SH Sem Year	Grade	Note
Fall (Semester 1) MA FH 121 Calculus I 4 EN JL 101 College Writing 4 CHEM 101 College Chem I 4 SAFE 101 Intro Occu Sfty&Hith 3 15	=		=		Spring (Semester 2) PSYC 101 General Psych HIST 195 History Modern Era CHEM 102 College Chem II SAFE 111 Prin of Safety IWellness Elective*	3 3 4 3 3-4		
Fall (Semester 3) BIOL 155 Hum Phys&Anat 4 PHYS 111 Physics 1 3 PHYS 121 Physics Lab 1 SATE 211 Prin of Safety II 4 EN 3L 202 Research Writing 3 15	=======================================	<u>=</u>	=	=	Hum Lit Elective* Hum Lit Elective* PHYS 112 Physics II PHYS 122 Physics II Lab ECON 122 Prin of Econ II SAFE 210 Env Sfty & Hlth Reg MATH 217 Prob & Stat	3 3 3 3 3 16		LS-E LS-E
Non-West Culture* 3 SA E 301 Health Hazard Iden 3 SA E 345 System Sfty Analysis 3 MOMT 311 Hum Behav in Org 3 SOC 151 Prin of Sociology 3 15			=		Spring (Semester 6) SAFE 303 Control of HIth Haz SAFE 347 Ergonomics Fine Arts Elective* SAFE 311 Indus Fire Protection BTST 321 Bus&Interpers Com	3 = =	==	
Fall (Semester 7) SAFE 402 Health Hazard Eval 3 SAFE 412 Hazard Prev Mgt 4 LB ST 499 Synthesis Course 3 Philos/Rel Elective* 3 Prof Elective* 3 16			=		Spring (Semester 8) SAFE Internship Prof Elective* Prof Elective*	6 3	=	=
*See list on back for course options. W - Writing Intensive Courses LBST-E – Liberal Studies Elective			Other Co	urses:				

*Philosophy/Religion Elective (select one)

PHIL 101 Informal Logic: Methods of Critical Thinking PHIL 120 Intro to Philosophy PHIL 221 Intro to Symbolic Logic PHIL 222 Ethics RLST 100 Intro to Religion RLST 250 Understanding the Bible RLST 290 Christianity *Humanities Literature Elective (select one)	3 3 3 3 3 3 3 3
ENGL 121 Humanities: Literature FL 121 Humanities Literature	3
Fine Arts Elective (select one)	
ARHT 101 Introduction to Art MUHI 101 Introduction to Music THTR 101 Introduction to Theater THTR 102 Introduction to Dance Wellness Elective (select one)	3 3 3 3
HPED 143 Health and Wellness FDNT 143 Nutrition and Wellness MLSC 101 Intro to Military Science and MLSC 102 Fundamentals of Military Science	3 3 2 2
Non-Western Culture Elective (select one)	
ANTH 110 Contemporary Anthropology ANTH 211 Cultural Anthropology GEOG 104 Geography of the Non-Western World PLSC 101 World Politics	3 3 3 3

Elective Courses for Professional Concentration (select nine credit hours)

Professional electives are courses that a student and adviser agree will enhance the student's performance as a professional. This list is an example of some professional elective courses. Other courses are permitted with the advisor's approval.

BLAW 235 Introduction to Business Law	3
COMM 335 Consulting Practices in Communications	3
ECON 283 Environmental Economics	3
ECON 333 Regulations in Industry	3
ENGL 310 Public Speaking	3
ENGL 322 Technical Writing I	3
IFMG 251 Business Systems Analysis & Design	3
MGMT 334 Quality Management	3
MGMT 330 Productions and Operations Management	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MGMT 401 Management Development & Training	3
PSYC 390 Industrial-Organization Psychology	3
SAFE 245 Product Safety	3
SAFE 370 Fleet Safety	3
SAFE 380 Institutional Safety Management	3
SAFE 441 Accident Investigation	3
SAFE 461 Air Pollution	3
SAFE 462 Radiological Health	3
SAFE 472 Process Safety in the Chemical Industry	3
SAFE 481 Special Topics	3

^{*}The Humanities requirement group consists of HI 195 plus one Philosophy/Religion Elective plus one Humanities/Literature Elective.