



Occupational Safety, Health, and Environment (OSH&E) Program
Department of Computer Science and Industrial Technology
Southeastern Louisiana University
SLU 10847
Hammond, LA 70402

November 8, 2013

Dear OSH&E Advisory Committee Member,

On behalf of Southeastern Occupational Safety, Health, and Environment (OSH&E) Program, we would like to give our sincere appreciation to you for your involvement in the OSH&E Advisory Committee as well as your participation in the meetings and discussion.

Enclosed please find the report of the OSH&E Advisory Committee meeting that was held on October 18, 2013. Please feel free to let us know should you have any questions and comments!

It is a great honor and pleasure to invite you to our next semi-annual meeting, which is tentatively scheduled from 9:30 AM to 12:00 PM on **April 11, 2014**. A formal invitation will be sent to you when the meeting date and venue are confirmed.

Thank you very much for your consistent contribution to the program!

Sincerely,

Dr. Lu Yuan
Associate Professor &
Coordinator

Ms. Dorinda Folse
OSH&E AC Chairperson

Mr. Lance Roux
OSH&E AC Co-Chairperson

OSH&E Advisory Committee October 18, 2013 Meeting Report by Dr. Lu Yuan

The last Occupational Safety, Health, and Environment (OSH&E) Advisory Committee meeting was held from 9:30 AM to 1:00 PM on October 18, 2013 at the War Memorial Student Union / Annex in Hammond. (Please see the attached sample photos!) This meeting was part of the CSIT Department Advisory Committee Annual Meeting. The attendees include thirteen of the twenty OSH&E Advisory Committee members (**Appendix A** with update-to-date contact information). Drs. Lu Yuan and Ephraim Massawe, and Mrs. Amanda Brown, the three full-time faculty members of the OSH&E program, were co-hosts of the meeting. Mr. Lawrence Mauerman, the former OSH&E coordinator, attended the meeting. One OSH&E student, Cole Bass, was present. Absent were Steve Pereira, Richard Matherne, Don Jones, Dorinda Folse, Beth Inbau, Dawn Bahm, and Trey Rivet (on behalf of Connie Fabr e).

Appendix B lists the agenda of the overall meeting. Dr. Dan McCarthy, Dean of College of Science and Technology, thanked the advisory committee members for taking the time to come to the meeting, which has always been a success. He appreciated the support from the industry and the advisory committee members which have helped the CSIT Department to grow and prosper. Mr. David Richard, the Department Advisory Committee Chairperson, shared his opinion on what the advisory committee can do for the Department.

Dr. Sebastian Van Delden, the CSIT Department Head, then spoke to the audience. The continuous increase of the enrollment in all four programs except for Industrial Technology which has been steady has made the CTSI Department the largest one on campus. Yet, the budget cut continues to drive the University into a path to search for private founding. The partnership with Laitram and the Engineering and Industrial Technology programs has built a model for such an effort, <http://goo.gl/jjgz bq>.

At that time the committee broke out into groups by degrees.

The agenda for the OSH&E Advisory Committee meeting is attached in **Appendix C**. Mr. Lance Roux welcomed the committee members. Ms. Dorinda Folse unfortunately could not attend the meeting due to the ending of recent federal government shutdown. Next, members introduced themselves. Dr. Yuan explained to the members that the number of 2013-2014 enrollments (101 students) in the OSH&E BS program has exceeded what was projected in February 2011 when the program was undergoing an internal review; but, the number of graduates is below the projection. The Advisory Committee discussed this subject matter in its Spring 2011 meeting on April 8, 2011, <http://goo.gl/Munrf2> (page 29).

OLD BUSINESS

Based on comments and suggestions from the Spring 2013 OSH&E Advisory Committee meeting, several changes have been made in the request for adding three minors in OSH&E. In particular, students who pursue minor in OSH&E - Safety could choose: 1) OSHE 112 *Design of Hazard Controls* OR OSHE 121 *Safety and Health Program Management and Administration*, 2) OSHE 311 *Safety & Health Program Development* OR OSHE 322 *Behavioral Aspects of Safety* OR OSHE 323 *Product Safety and Liability* OR OSHE 381 *Safety in Chemical and*

Process Industries OR OSHE 382 Construction Safety, 3) OSHE 421 Measurement of Safety Performance and Accident Investigation and Analysis OR OSHE 424 System Safety Methodologies besides taking OSHE 111 Introduction to Occupational Safety, Health, and Environment, OSHE 231 Safety Laws, Regulations, and Standards, and OSHE 261 Fire Protection and Prevention.

In addition, we also proposed to add prerequisite OSHE 111 to OSHE 231, OSHE 261, OSHE 311, and OSHE 323 based on the pertinent OSH&E program outcome assessment results. The request for adding two new professional electives, OSHE 423 *Insurance - Workers' Compensation, Loss Control and Risk Management* and OSHE 442 *Principles of Radiation Safety*, was also submitted. All of these curriculum requests for change have been approved by the University Curriculum Council on October 28, 2013. They will appear in the 2014-2015 University General Catalog.

The members in attendance discussed ways to promote these three minors. A number of Engineering Technology and Industrial Technology students have shown their interests and asked about the list of courses. The General Studies program has listed OSH&E as one of the tracks in Group 4 – Applied Sciences to be used for major or minor concentration. It is important to promote the three minors in OSH&E to them. Dr. Yuan encouraged the members to think about other ideas and this would be discussed in the Spring 2014 meeting.

Next, Dr. Yuan presented an update on the second triennial OSH&E roundtable discussion which eleven OSH&E students and three invited graduates participated in to voice their concerns about the OSH&E program on October 16, 2013 (**Appendix D**). The roundtable discussion is one of many indirect assessment methods that we have used to evaluate the program outcomes. Three invited OSH&E graduates (Jake Valenti of Potash Corporation, Ted Carter of Deep South Crane & Rigging, and Katie Jackson of PEC Premier), eleven current students, and two faculty members (Dr. Yuan and Mr. Mauerman) attended the meeting. Participants were asked to fill out a questionnaire about the OSH&E program objectives, outcomes, and curriculum. Major findings include:

- Patrick Williams (Senior) began a discussion on the requirements of math and science for students who are enrolled in the program and at what point should students be allowed to declare OSH&E as their major. He suggested that freshman not be allowed to declare the major until they reach certain milestones in math and science and have a minimum cumulative GPA of 2.8. He shared his experience in LSU College of Engineering to emphasize the importance of math for OSH&E majors.
- Mr. Mauerman commented that the OSH&E program could use a similar pre-screening type of rules as the nursing/medical programs do to raise the enrollment standard. No one would probably like to visit a doctor that has all C grades in his or her school work. The OSH&E professionals should strive for high quality and integrity in order to promote workers' safety and health.
- Several students questioned the minimum GPA requirements but understood the negative impact of low GPA.
- Dr. Yuan said that one of the solutions to strengthen the requirement on math could be to change the minimum grade of the three math courses in the OSH&E BS curriculum from Pass to C.

- The three OSH&E graduates commented on the importance of statistics based on their work experiences.
- The attendees discussed using OSHE 111 as an avenue to both recruit more majors and specify the high expectations of the OSH&E curriculum.
- Keaton Northington (Sophomore) who unfortunately could not make the meeting suggested that more and/or higher level of math courses be added into the curriculum in his email to Dr. Yuan.
- The attendees agreed on the importance of the other three objectives including OSH&E-related knowledge and skills, communication and team-work abilities, and the need for continuing professional development.

As one of the ways to promote the OSH&E students' involvement in the profession, Dr. Yuan suggested that a joint meeting involving GBRASSE, ASSE New Orleans Chapter, Delta Safety Society, and AIHA Deep South Section be held on campus sometime in Spring 2014 when the Student Union Expansion project is complete. Dr. Yuan shared that one safety-related program in another University has presented a benchmark study which they visited the "top 4" OSH&E-related programs in the nation and learned lessons from them at the ASSE 2013 Academic Forum. Several committee members including Mr. Wayne LaCombe, Mr. Alan Rovira, and Mr. Mike Page suggested that we could invite those top programs in the region to attend the joint meeting to share their success. Mr. Glenn Young gladly agreed to sponsor the joint meeting.

Should we have a successful joint meeting, the OSH&E program would then propose to co-host the Louisiana Governor's Safety and Health Conference. Mr. Rich Saizan agreed to check with the Alliance Safety Council on this idea.

The last item under old business was the recent internship and employment opportunities for OSH&E students and graduates (names marked in green), which include:

- Internship
 - Community Coffee EHS Intern Summer 2013 - **Jonathan Monistere**
 - Internship opportunity with Jacobs Field Services
 - Amerisafe Safety Intern Fall 2013
 - Intern at Arkema SCO
 - Internship opportunity with Atlantic Plant Services - **Ian Reggio**
 - PEC Safety Intern Fall 2013 - **Denise Sovek**
 - Interns at Performance Contractors
 - Industrial Hygiene Co-Op Position at Monsanto, Luling Facility
 - Walt Disney World Resort Safety and Health Internship Spring 2014
- Employment
 - Risk Control Development Person for Travelers
 - Entry Level Safety Associate Position at SMART Safety Gulf Coast
 - Lake Charles / Houston Division Safety Representative for Versa Integrity Group
 - Full-Time Positions at Amerisafe Consulting & Safety Services
 - Safety, Security, Health & Environment ExxonMobil - Chalmette Refinery
 - Risk Control Position at Louisiana Companies
 - Part-Time Safety and Training Assistant Position at Associated Grocers
 - Safety & Industrial Hygiene Coordinator Position at Mexichem Fluor Inc.

- Loss Prevention Consultant at Stonetrust
- Safety Training Consultant Position in Houma, LA
- HSE Coordinator Position at Industrial Parts Specialties - [Joshua Sarran](#)
- Part-Time Job Opportunity at RiskWise Management LLC
- Safety Coordinator Position at VIP International
- Safety Specialist Position at Dow St. Charles Operations
- Full-Time Site Health and Safety Officer Position at TEA, Inc. in California - [Dustin Raphael](#)
- Safety Manager in Canton, MS
- Safety Position at Nissan Motor Co in Mississippi

It was great to see many companies were starting or continuing to hire our students.

NEW BUSINESS

Dr. Yuan first presented the OSH&E curriculum flow chart (**Appendix E**). This chart displays the course sequences and prerequisites and could be used for advising both current and prospective students. It has been added on the OSH&E program website, <http://goo.gl/rkU2xj>.

Next, Dr. Yuan reminded the attendees of the OSH&E newsletters that were sent to the OSH&E graduates on the semester basis. These newsletters have been added on the OSH&E program website too, <http://goo.gl/jjYkTu> and <http://goo.gl/6RScmB>. He invited the Advisory Committee members to send him any news and achievements so that he could include them in the newsletters too. Some members asked about the OSH&E faculty members' current research focus. Dr. Massawe is working on the health impact of nanotechnology and nano materials. Dr. Yuan's research focuses on the ergonomic evaluation of the construction industry and library; whereas Mrs. Brown collaborates with the Education Department to advocate OSH&E in their safety education curricula.

It was then announced that the Spring 2014 OSH&E Advisory Committee meeting was tentatively scheduled on April 11, 2014.

The meeting adjourned at 12 PM and group pictures were taken before the committee members headed to the Luncheon room.





Appendix A

OSH&E Advisory Committee

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* - Mr. Mauerman retired after Spring 2012.



ADVISORY BOARD MEETING - OCTOBER 18, 2013

Department of Computer Science and Industrial Technology

PROGRAM SCHEDULE:

- 9am-930am Coffee Social/Networking
- 930am-10am Opening Remarks:
- Dan McCarthy, Sebastian van Delden
Southeastern
 - David Richard, Advisory Board President,
York Risk Services
- 10am-12pm Break out sessions
- 12pm-1pm Lunch

LOCATION:

Student Union, Louisiana Purchase Ballroom
Bldg. # 29 on http://www.southeastern.edu/map/assets/campus_map_2012.pdf

**SINCERE THANKS TO YORK RISK SERVICES FOR SPONSORING
THE FALL 2013 ADVISORY BOARD MEETING.**



Appendix C
OSH&E Advisory Committee

Semi-Annual Meeting Agenda
October 18, 2013

<u>Time</u>	<u>Issues</u>	<u>Actions</u>
10:15 - 10:30 am	Welcome & Introduction (By Ms. Dorinda Folse and Mr. Lance Roux)	
10:30 - 11:15 am	Old Business	
	1. Curriculum Request for Adding OSH&E Minors and New Courses (By Dr. Lu Yuan)	
	2. OSH&E Roundtable Discussion (By Dr. Lu Yuan)	
	3. Recent Internship/Employment Opportunities (By Mrs. Amanda Brown)	
11:15 - 12:00 pm	New Business	
	1. OSHE Curriculum Flow Chart (By Dr. Lu Yuan)	
	2. OSH&E Newsletters (By Dr. Lu Yuan)	
	3. Others (Next Meeting: April 11, 2014)	
12:00 pm	Luncheon	

Appendix D

**OSH&E Program Outcomes - Indirect Assessment
Schedule, 2008-2009 to 2015-2016**

	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016
Industrial Advisory Committee meeting	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Industrial Advisory Committee Questionnaire	X						X						X			
Exit Interview	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Exit Survey	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Alumni Survey			X						X						X	
Employer Survey				X						X						X
Current Student Discussion					X						X					



**Occupational Safety, Health, and Environment (OSH&E)
Roundtable Discussion / ASSE Student Section Meeting**

**October 16, 2013
12:00 pm - 2:00 pm
Student Union Annex Pelican Room 229**

1. Welcome and Introduction
2. OSH&E Program Mission and Goals
3. OSH&E Program Outcomes
4. OSH&E Curriculum
5. Facilities, Equipment, and Resources
6. ASSE Southeastern Student Section
7. Other Issues

Occupational Safety, Health, and Environment (OSH&E) Mission and Goals

The Bachelor of Science in Occupational Safety, Health, and Environment (OSH&E) program is designed to provide an academically comprehensive curriculum that prepares graduates with the ability and competency to become highly qualified safety, industrial hygiene, and environment professionals. The educational objectives of the OSH&E program are to prepare students who:

- Apply knowledge and principles of mathematics, science, technology, and management in industry, business, or other related areas of employment as occupational safety, health, and environment professionals;
- Apply practical-oriented knowledge and skills in safety, health, and environment to anticipate, identify and evaluate hazardous conditions and practices, to develop hazard control designs, methods, procedures and programs, and to implement and manage effective safety, health, and environment programs;
- Become effective communicators and ethical facilitators within the practice of safety, health, and environment;
- Continue professional development to address the need of applying principles of safety, health, and environment within a constantly changing and increasingly diverse environment.

Occupational Safety, Health, and Environment (OSH&E) Program Outcomes

The OSH&E program outcomes at Southeastern are listed as follows:

1. Students completing the Baccalaureate degree in OSH&E will demonstrate the ability to apply mathematical and scientific knowledge in the safety, health, and environment field.
 - 1) Students know how to apply mathematical and statistical knowledge in the safety, health, and environment field.
 - 2) Students know principles in chemistry, physics, and biology as it pertains to the practice of safety, health, and environment.
 - 3) Students know principles in business management as it pertains to the practice of safety, health, and environment.

2. Students completing the Baccalaureate degree in OSH&E will demonstrate the ability to anticipate, identify and evaluate safety, health, and environmental hazards, and to develop and implement hazard control methods, programs, and system designs.
 - A. Students completing the Baccalaureate degree in OSH&E will demonstrate the understanding of safety, health, and environment knowledge.
 - 1) Students understand occupational safety, health, and environmental fundamentals.
 - 2) Students know legal aspects of safety, health, and environmental practices.
 - 3) Students understand the interactions of physical, chemical, biological, and ergonomic agents, factors, and/or stressors on the human body.
 - 4) Students understand the application of laws, regulations, standards, and codes to safety, health and environmental conditions.
 - 5) Students understand and use principles of fire prevention and protection in the workplace.
 - 6) Students know industrial and construction safety throughout the work processes.
 - B. Students completing the Baccalaureate degree in OSH&E will demonstrate the ability to obtain the necessary skills to anticipate, identify and evaluate safety, health, and environmental hazards, and to develop and implement hazard control methods, programs, and system designs.
 - 1) Students know how to utilize basic laboratory instrumentations associated with safety, health, and environment.
 - 2) Students know how to anticipate, identify and evaluate hazardous agents, conditions, and practices.
 - 3) Students know fundamental exposure assessment and environmental sampling techniques.
 - 4) Students know how to develop control designs, methods, procedures, and programs to eliminate or mitigate safety, health, and environmental hazards.
 - 5) Students know how to conduct accident/incident investigation and analysis.
 - 6) Students know how to implement and manage effective safety, health, and environmental programs.

3. Students completing the Baccalaureate degree in OSH&E will demonstrate the ability to express thoughts effectively in oral and written communications, and to understand ethical behaviors and professional responsibility.
 - 1) Students are able to effectively express thoughts in oral and written communications.
 - 2) Students know the techniques, skills, and modern behavioral tools necessary for the practice of safety, health, and environment.
 - 3) Students are able to effectively function as a part of multi-disciplinary team.

4. Students completing the Baccalaureate degree in OSH&E will demonstrate the ability to broaden education and life-long learning necessary to understand safety, health, and environment issues within a global and social context.
 - 1) Students are encouraged to become members of ASSE (American Society of Safety Engineers) Southeastern Louisiana University Student Section and be actively involved in the events and activities organized by the Student Section. At least 50% of upper-level students are ASSE members.
 - 2) Students are encouraged to continue professional growth and improvement by pursuing the widely recognized certifications including Certified Safety Professional (CSP) and Certified Industrial Hygienist (CIH), and/or by pursuing master's/doctoral degrees in environmental, health, and safety and similarly named programs. As measured on the Southeastern Alumni Survey, at least 50% of the OSH&E graduates will become CSPs and/or CIHs.

Occupational Safety, Health and Environment

Bachelor of Science

NAME:

W#:

	Grade	Semester	Minimum Grade of D Required:	Grade	Semester	Minimum Grade of C required:	
ENGLISH (12 hrs)			ENGL 101 Freshman Composition (3 hrs)			OSHE 111 Introduction to OSHE (3 hrs)	OSHE (42 hrs)
			ENGL 102 Critical Reading and Writing (3 hrs)			OSHE 112 Design of Hazard Controls (3 hrs)	
			ENGL 230, 231 <u>or</u> 232 (3 hrs)			OSHE 121 Safety & Health Program Management & Administration (3 hrs)	
		ENGL 322 Intro to Prof and Technical Writing (3 hrs)			OSHE 141 [241] Principles of Industrial Hygiene/Toxicology (3 hrs)		
BUSINESS			ECON 201 Macroeconomics (3 hrs)			OSHE 231 Safety Laws, Regulations, and Standards (3 hrs)	
			MGMT 351 Principles of Management (3 hrs)			OSHE 242 Ergonomics (3 hrs)	
CS			CMPS 173 Software for Management of Data (3 hrs)			OSHE 251 Environmental Laws and Regulations (3 hrs)	
MATH (9hrs)			MATH 161 College Algebra (3 hrs)			OSHE 261 Fire Protection and Prevention (3 hrs)	
			MATH 162 Plane Trigonometry (3hrs)			OSHE 341 Field Methods of Industrial Hygiene/Toxicology (3 hrs)	
			MATH 241 Elementary Statistics (3 hrs)			OSHE 381 [281] Safety in Chemical/Process Industries	
NATURAL SCIENCE (23 hrs)			GBIO 151 General Biology I (3 hrs)			OSHE 382 [282] Construction Safety (3 hrs)	
			BIOL 152 General Biology I Lab (1 hr)			OSHE 421 [321] Measure of Safety Per & Accident Inv/Analysis (3 hrs)	
			CHEM 101 General Chemistry I (3 hrs)			OSHE 424 [324] System Safety Methodologies (3 hrs)	
			CHEM 103 General Chemistry I Lab (1 hr)			OSHE 452 Pollution Fundamentals & Control (3 hrs)	
			CHEM 102 General Chemistry II (3 hrs)			IT 391 Internship or IT 492 Research & Development (3 hrs)	
			CHEM 104 General Chemistry II Lab (1 hr)			² Professional Elective (3 hrs)	
			CHEM 261 Survey of Organic Chemistry (3 hrs)			² Professional Elective (3 hrs)	
			PHYS 191 General Physics (3 hrs)			² Professional Elective (2-4 hrs)	
			PHYS 193 General Physics Lab (1 hr)			¹ Southeastern 101 is not required of transfer or re-admitted Southeastern students with 30 hours or more. Those students will replace Southeastern 101 with 2 hours of professional electives.	
			ZOO 241 Human Physiology (4 hrs)				
OTHER (12-14 hrs)			¹ SE 101 (0 or 2 hrs)			² Students must schedule their professional electives with the approval of their advisor. Professional electives are to be selected from the following two groups and at least ONE course must be from Group I: OSHE 311, 322, 323, 441, 451, 471 [371], 491. Group II - Other Courses IT 242, IT 264, IT 322, ACCT 200, GBIO 377, CJ 312, CJ 411, HS 131, HS 360, HS 362. NO 100-LEVEL COURSE WILL BE ACCEPTED AS A PROFESSIONAL ELECTIVE WITHOUT APPROVAL OF THE DEPARTMENT HEAD.	
			PSYC 101 General Psychology I (3 hrs)				
			COMM 211 Introduction to Public Speaking (3 hrs)				
			HIST 101, 102, 201, or 202 (3 hrs)				
			ART, DNCE, MUS, or THEA (3 hrs)				

LAST UPDATED: 04/29/2013

TOTAL MAJORS HOURS: 45-52 TOTAL SEMESTER HOURS: 120

(NOTE: ½ of all major hours must be taken at Southeastern.)



**Occupational Safety, Health, and Environment (OSH&E)
Roundtable Discussion / ASSE Student Section Meeting**

**October 16, 2013
12:00 pm - 2:00 pm
Student Union Annex Pelican Room 229**

GR SR JR SO FR

1. The following is the current statement of the OSH&E program objectives. Please tell us, according to your experience, whether our program meets each of the four objectives. Please provide us with any suggested revisions.

1) Apply knowledge and principles of mathematics, science, technology, and management in industry, business, or other related areas of employment as occupational safety, health, and environment professionals

Agree Don't Know Disagree, suggestions: _____

2) Apply practical-oriented knowledge and skills in safety, health, and environment to anticipate, identify and evaluate hazardous conditions and practices, to develop hazard control designs, methods, procedures and programs, and to implement and manage effective safety, health, and environment programs

Agree Don't Know Disagree, suggestions: _____

3) Become effective communicators and ethical facilitators within the practice of safety, health, and environment

Agree Don't Know Disagree, suggestions: _____

4) Continue professional development to address the need of applying principles of safety, health, and environment within a constantly changing and increasingly diverse environment

Agree Don't Know Disagree, suggestions: _____



**Occupational Safety, Health, and Environment (OSH&E)
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**October 16, 2013
12:00 pm - 2:00 pm
Student Union Annex Pelican Room 229**

GR SR JR SO FR

2. On a scale of 1 through 5, where 1 means Not Important and 5 means Very Important, indicate how important the OSH&E program outcomes are to help you develop the following skills or abilities:

	Not Important			Very Important	
	1	2	3	4	5
Ability to apply basic mathematical and statistical knowledge in the safety, health, and environment field	1	2	3	4	5
Understanding basic principles in chemistry, physics, and biology as it pertains to the practice of safety, health, and environment	1	2	3	4	5
Understanding basic principles in business management as it pertains to the practice of safety, health, and environment	1	2	3	4	5
Ability to understand occupational safety, health, and environment fundamentals	1	2	3	4	5
Ability to know legal aspects of safety, health, and environmental practices	1	2	3	4	5
Understanding the interactions of physical, chemical, biological, and ergonomic agents, factors, and/or stressors on the human body	1	2	3	4	5
Understanding the application of laws, regulations, standards, and codes to safety, health and environmental conditions	1	2	3	4	5
Ability to understand and use basic principles of fire prevention and protection in the workplace	1	2	3	4	5
Ability to know industrial and construction safety throughout the work processes	1	2	3	4	5
Ability to utilize basic laboratory instrumentations associated with safety, health, and environment	1	2	3	4	5
Ability to anticipate, identify and evaluate hazardous agents, conditions, and practices	1	2	3	4	5
Understanding fundamental exposure assessment and environmental sampling techniques	1	2	3	4	5
Ability to develop hazard control designs, methods, procedures, and programs	1	2	3	4	5
Ability to conduct accident/incident investigation and analysis	1	2	3	4	5
Ability to implement and manage effective safety, health, and environment programs	1	2	3	4	5
Ability to effectively express thoughts in oral and written communications	1	2	3	4	5
Understanding the techniques, skills, and modern behavioral tools necessary for the practice of safety, health, and environment	1	2	3	4	5
Ability to effectively function as a part of multi-disciplinary team	1	2	3	4	5
Being encouraged to become members of ASSE (American Society of Safety Engineers) Southeastern Louisiana University Student Section and be actively involved in the events and activities organized by the Student Section.	1	2	3	4	5
Being encouraged to continue professional growth and improvement by pursuing the widely recognized certifications including Certified Safety Professional (CSP) and Certified Industrial Hygienist (CIH), and/or by pursuing master's/doctoral degrees in environmental, health, and safety and similarly named programs.	1	2	3	4	5



Occupational Safety, Health, and Environment (OSH&E) Roundtable Discussion / ASSE Student Section Meeting

October 16, 2013
12:00 pm - 2:00 pm
Student Union Annex Pelican Room 229

GR SR JR SO FR

3. Please indicate the importance of the following required courses in the current Southeastern OSH&E Bachelor of Science curriculum.

	Not Important			Very Important			
	1	2	3	4	5		NA
OSHE 111 <i>Introduction to Occupational Safety, Health, and Environment</i>	1	2	3	4	5		NA
OSHE 112 <i>Design of Hazard Controls</i>	1	2	3	4	5		NA
OSHE 121 <i>Safety and Health Program Management and Administration</i>	1	2	3	4	5		NA
OSHE 141 <i>Principles of Industrial Hygiene & Toxicology</i>	1	2	3	4	5		NA
OSHE 231 <i>Safety Laws, Regulations, and Standards</i>	1	2	3	4	5		NA
OSHE 242 <i>Ergonomics</i>	1	2	3	4	5		NA
OSHE 251 <i>Environmental Laws and Regulations</i>	1	2	3	4	5		NA
OSHE 261 <i>Fire Protection and Prevention</i>	1	2	3	4	5		NA
OSHE 341 <i>Field Methods of Industrial Hygiene and Toxicology</i>	1	2	3	4	5		NA
OSHE 381 <i>Safety in Chemical and Process Industries</i>	1	2	3	4	5		NA
OSHE 382 <i>Construction Safety</i>	1	2	3	4	5		NA
OSHE 421 <i>Measurement of Safety Performance and Accident Investigation and Analysis</i>	1	2	3	4	5		NA
OSHE 424 <i>System Safety Methodologies</i>	1	2	3	4	5		NA
OSHE 452 <i>Pollution Fundamentals and Control Technologies</i>	1	2	3	4	5		NA
IT 391 <i>Industrial Internship</i> OR IT 492H <i>Research & Development</i>	1	2	3	4	5		NA
MATH 161 <i>College Algebra</i>	1	2	3	4	5		NA
MATH 162 <i>Plane Trigonometry</i>	1	2	3	4	5		NA
MATH 241 <i>Elementary Statistics</i>	1	2	3	4	5		NA
GBIO 151 <i>General Biology I</i> AND BIOL 152 <i>General Biology I Lab</i>	1	2	3	4	5		NA
CHEM 101 <i>General Chemistry I</i> AND CHEM 103 <i>General Chemistry I Lab</i>	1	2	3	4	5		NA
CHEM 102 <i>General Chemistry II</i> AND CHEM 104 <i>General Chemistry II Lab</i>	1	2	3	4	5		NA
CHEM 261 <i>Survey of Organic Chemistry</i>	1	2	3	4	5		NA
PHYS 191 <i>General Physics</i> AND PHYS 193 <i>General Physics Lab</i>	1	2	3	4	5		NA
ZOO 241 <i>Human Physiology</i>	1	2	3	4	5		NA
ENGL 101 <i>Freshman Composition</i>	1	2	3	4	5		NA
ENGL 102 <i>Critical Reading and Writing</i>	1	2	3	4	5		NA
ENGL 230 <i>World Literature</i> OR 231 <i>English Literature</i> OR 232 <i>American Literature</i>	1	2	3	4	5		NA
ENGL 322 <i>Introduction to Professional and Technical Writing</i>	1	2	3	4	5		NA
ECON 201 <i>Macroeconomics</i>	1	2	3	4	5		NA
MGMT 351 <i>Principles of Management</i>	1	2	3	4	5		NA
CMPS 173 <i>Software for Management of Data</i>	1	2	3	4	5		NA
PSYC 101 <i>General Psychology I</i>	1	2	3	4	5		NA
COMM 211 <i>Introduction to Public Speaking</i>	1	2	3	4	5		NA



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4. Please indicate the importance of the following professional electives in the current Southeastern OSH&E Bachelor of Science curriculum.

	Not Important			Very Important			NA
	1	2	3	4	5		
OSHE 311 <i>Safety and Health Program Development</i>	1	2	3	4	5	NA	
OSHE 322 <i>Behavior Aspects of Safety</i>	1	2	3	4	5	NA	
OSHE 323 <i>Product Safety and Liability</i>	1	2	3	4	5	NA	
OSHE 441 <i>Industrial Toxicology</i>	1	2	3	4	5	NA	
OSHE 451 <i>Hazardous Materials Management</i>	1	2	3	4	5	NA	
OSHE 471 <i>Education and Training Methods for Occupational Safety and Health</i>	1	2	3	4	5	NA	
OSHE 491 <i>Special Topics</i>	1	2	3	4	5	NA	
IT 242 <i>Materials and Processes</i>	1	2	3	4	5	NA	
IT 264 <i>Industrial Fluid Power</i>	1	2	3	4	5	NA	
IT 322 <i>Materials Science and Metallurgy</i>	1	2	3	4	5	NA	
ACCT 200 <i>Introduction to Financial Accounting</i>	1	2	3	4	5	NA	
GBIO 377 <i>Applied Biostatistics</i>	1	2	3	4	5	NA	
CJ 312 <i>Private and Public Section Security</i>	1	2	3	4	5	NA	
CJ 411 <i>International Crime and Terrorism</i>	1	2	3	4	5	NA	
HS 131 <i>Emergency Health Care</i>	1	2	3	4	5	NA	
HS 360 <i>Introduction to Epidemiology</i>	1	2	3	4	5	NA	
HS 362 <i>Promoting Health in the Worksite</i>	1	2	3	4	5	NA	



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