SOUTHEASTERN
LOUISIANA UNIVERSITY

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

August 7, 2017

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 April 28, 2017. Please feel free to let us know should you have any questions and comments!

Our first meeting for the upcoming 2017-2018 academic year will be held as part of the Annual Departmental Advisory Committee Meeting. The 2017 meeting is scheduled on Friday, November 10, 2017 on the Hammond campus. A formal invitation will be sent to you soon.

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

Sincerely,

Dr. Lu Yuan, CSP
Interim Department Head &
Associate Professor

Ms. Dorinda Folse
OSH&E AC Chairperson

Mr. Lance Roux, CSP
OSH&E AC Co-Chairperson

# OSH&E Advisory Committee
# April 28, 2017 Meeting Report by Mr. Chris Kuiper and 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 April 28, 2017 in Anzalone Hall 214 on the Hammond campus. (Please see the attached examples of photos!) The attendees include ten of the twenty-one OSH&E Advisory Committee members (**Appendix A** with update-to-date contact information). Three OSH&E full-time faculty members were present, including Dr. Lu Yuan, Dr. Ephraim Massawe and Mr. Chris Kuiper. Instructor Mrs. Amanda Brown was injured and unable to attend. Two current OSH&E students, Mr. Preston Chaney and Mr. Evan Gaudet, were also present. Absent were Richard Matherne, Don Jones, Wayne LaCombe, Dorinda Folse, Beth Inbau, Alan Rovira, David Noland, Mike Page, Chris Newton, Charles Leonard, and Bill Cowser.

**Appendix B** contains the agenda of the meeting, which started with the welcoming from Mr. Lance Roux. Lance thanked the members for their contribution to the OSH&E program. He told the members that unfortunately Ms. Folse was not able to attend the meeting. Self-introductions were followed.

**OLD BUSINESS**

Dr. Yuan opened the meeting with an overview of ABET reaccreditation draft statement. The OSH&E program submitted the 30-day due process response to ABET on March 3, 2017. **Appendix C** contains a copy of the response.

Discussions were made regarding Criterion 3, Outcome (f): Understanding of Professional and Ethical Responsibility. Committee members in attendance discussed the techniques and approaches they use in industry. Many companies have formal, written standards of Professional and Ethical Performance/Expectations to which all employees and imbedded contractors must comply. BCSP was cited as having a Professional Code of Ethics for safety practitioners. Mr. Steven Pereira stated that he has developed a series of ethical dilemma scenarios and would share them with Dr. Yuan.

Another weakness identified in ABET draft statement was related to the culminating experience. After Dr. Yuan explained the changes that have been implemented as a result of the ABET review, discussions were centered on the continuous improvement and continuation of companies employing students for internships. The ABET draft statement regarding the weakness in the culminating experience was that students were taking the internship too early in their college career. The ABET evaluators felt that the program should ensure that early in a student's education there should be formal processes to clarify the quality of the student's academic and class attendance and active participation. Dr. Yuan invited the committee to consider options to enhance the culminating experience that are consistent with program goals.

Committee members in attendance discussed the technical training that OSH&E students receive in the program. Dr. Yuan demonstrated the OSH&E degree's technical underpinnings in courses such as biology, chemistry, and physics.

Dr. Yuan shared with the committee that the University would continue to refine the response to the ABET draft statement and determine appropriate actions to be taken.

Next, Dr. Yuan presented a number of OSH&E student and faculty achievements, which have been included in the OSH&E Spring 2017 Newsletter that was sent out to all OSH&E graduates, students, Advisory Committee members, and other colleagues and friends on Apr.21, 2017. The achievements include:

- Breanna Prevost received two ASSE 2017 Foundation Scholarships, including: ASSE Foundation Greater Baton Rouge Chapter Don Jones Excellence in Safety Scholarship and ASSE Foundation Granberry, Fleming, & Ross Scholarship.
- Evan Gaudet conducted a research study on *The Ergonomic Principles of Industrial Fabrication* with Dr. Lu Yuan in Fall 2016. Evan presented this study at the sixth annual University of Louisiana System Academic Summit that was held on the Southeastern campus on Mar.31, 2017.
- Preston Chaney, an OSH&E Spring 2017 graduate candidate, was selected for the 2017 OSH&E Outstanding Graduating Senior Award.
- Dr. Ephraim Massawe received an Enhancement Grant from the Center for Faculty Excellence at Southeastern in November 2016.
- Dr. Lu Yuan was approved as a Commission Member of the 2017-2018 ABET ANSAC (Applied and Natural Science Accreditation Commission) in April 2017.

**NEW BUSINESS**

The committee discussed several general issues as the meeting drew to a close. Discussions were made on how the University is marketing the internships to companies. One committee member recommended that committee members and OSH&E faculty meet with industry representatives to present the OSH&E program and the knowledge and experience students gain while in school. Another member suggested researching agency internship possibilities, especially those with an environmental focus.

Dr. Yuan informed the committee that the University approved hiring an additional faculty as recommended in the ABET draft statement. The new faculty will be required to have a terminal degree. He informed the committee that two candidates have been identified and would be interviewed for the position.

Another concern raised in the draft statement is faculty overload which will be addressed with the new faculty hire.

Dr. Yuan informed the committee the progress of the new building. The ABET draft statement identified a concern regarding equipment storage and maintenance, which the new building will address. The draft statement identified a need for a lab technician to ensure that all equipment is properly maintained and calibrated.

The meeting adjourned at 1 PM. Group photos were taken before lunch by Aramark was served.

# Appendix A
# OSH&E Advisory Committee

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* - Mr. Mauerman retired after Spring 2012.

# Appendix B
# OSH&E Advisory Committee

**Semi-Annual Meeting Agenda**
April 28, 2017

| Time | Issues | Actions |
|---|---|---|
| 9:30 - 9:45 am | Welcome & Introduction<br>(By Mr. Lance Roux) | |
| 9:45 - 11:00 am | Old Business<br>1. ABET Reaccreditation<br>(By Dr. Lu Yuan)<br>2. Celebration of OSH&E Program Achievement<br>(By Dr. Lu Yuan) | |
| 11:00 - 11:45 am | New Business<br>1. CSIT New Building<br>(By all)<br>2. Others | |
| 11:45 - 12:00 pm | Portrait & Group Photos | |
| 12:00 pm | Lunch | |

Appendix C

# Department of Computer Science and Industrial Technology

**Southeastern Louisiana University**

**Hammond, LA**

**Response to the Draft Statement for the OSH&E Program Review**

**ABET - Applied Science Accreditation Commission**

Dates of Visit: October 9-11, 2016

Team Chair: Dr. Hamid Fonooni

Program Evaluators: Dr. William Carter
Dr. Wanda Minnick

**March 3, 2017**

Contact: Dr. Lu Yuan
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## Introduction

The faculty of the Department of Computer Science and Industrial Technology would like to thank ABET as well as the visiting team for their consideration and diligent work during this review process. We also appreciate the opportunity to comment on the draft statement. This document is the response of the University and describes the actions, both taken and planned, to address the issues raised by the visiting team.

## Review Topics and Responses

Program Weaknesses

1. Criterion 3, Student Outcomes: The ABET Draft Statement states, "The assessment of student outcomes associated with '(f) understanding of professional and ethical responsibility' is a T/F quiz focused on professional and ethical responsibility; however, evidence of assessment was not provided. The student outcomes associated with '(i) a recognition of the need for and an ability to engage in life-long learning' and '(j) a knowledge of contemporary issues' are assessed post-graduation. Specifically, students are encouraged to become an ASSE member or a Certified Safety Professional. Through interviewing students and faculty, there is evidence of relatable and adequate activities/projects occurring pre-graduation, but assessment documentation was not provided. Therefore, the program lacks the strength of compliance with the three identified criteria which compromises the quality of the assessment process."

   *It was noted that the previous report did not provide evidence of assessment associated with (f) "understanding of professional and ethical responsibility." Appendix A provides evidence of the assessment of (f) "understanding of professional and ethical responsibility." Other assessment methods besides the T/F quiz have been employed, including: multiple choice tests, essay questions, case studies, etc.*

   *The assessment reports of student outcomes associated with "(i) a recognition of the need for and an ability to engage in life-long learning" and "(j) a knowledge of contemporary issues" that are conducted pre-graduation are attached in Appendix B. It should be clarified that students are encouraged to become an ASSE student member and the exit interview that is conducted before the students graduate is also used for assessment of these two student outcomes. These ensure that the assessment takes place pre-graduation.*

   *The previous report did not provide documentation of pre-graduation assessment of "(i) a recognition of the need for and an ability to engage in life-long learning" and "(j) a knowledge of contemporary issues." To further document the assessment of the OSH&E student outcomes associated with understanding of professional and ethical responsibility and knowledge of contemporary issues, two items have been added to Outcome 3 of OSH&E student outcomes which are assigned as 3.4 and 3.5. The revised OSH&E Student Outcomes are included in Appendix C and also published at http://www.southeastern.edu/acad_research/depts/cs_it/undergrad_degree/oshe/pdfs/oshe_program_outcomes_021617.pdf.*

2. Criterion 5, Curriculum: The ABET Draft Statement states, "There is evidence that some students complete the culminating experience prior to completing the majority of OSH&E coursework. Specifically, one student completed seven courses, another student completed ten courses, and another student completed eight of the 12 required OSH&E courses after the completing of an internship. There is a lack of strength of compliance because some students could lack the ability to apply knowledge expected to be accumulated in the core coursework."

   *First, it should be noted that OSH&E coursework includes 14 required OSH&E courses (not 12) and at least 1 Professional Elective from the OSH&E category. To help ensure that students have the ability to apply knowledge needed to succeed in the internship experience, the following changes have been made to the internship requirements:*

   - *Completion of all 100- and 200- level major courses are required before internship is taken.*
   - *Approvals from the Department Head and the Dean are required in order for a student to take the internship class.*

   *These curriculum changes will result in students completing at least 8 of the 14 required OSH&E courses before taking the internship course. The changes are documented in Appendix D.*

   *This change is already being enforced as the two OSH&E students who are taking the internship class in Spring 2017 have completed 13 and 16 OSH&E major courses, respectively. Appendix E contains the two students' transcripts.*

   *In addition, since the internship class currently has the prefix IT, the following curriculum changes were submitted to and approved by the University Curriculum Council. These changes become effective immediately and will be reflected in the 2017-2018 University Catalogue.*

   - *Add OSHE 391 Internship*
   - *Replace IT 391 with OSHE 391*

3. Criterion 6, Faculty: The ABET Draft Statement states, "While two of the four full-time faculty have an earned doctorate degree. However, the bulk of the OSHE courses are taught by a full-time faculty member and a part-time faculty member both whom do not have an earned doctorate. The strength of compliance with this criterion is not adequate to ensure the quality of the program because a majority of the faculty teaching core courses are not holding an earned doctorate. The academic rigor and professional experience expected for these positions may be compromised."

   *The request to hire one tenure-track OSH&E faculty position which requires a doctorate degree has been approved by administration. The position is advertised online at https://jobs.selu.edu/applicants/jsp/shared/position/JobDetails_css.jsp?postingId=172849 (Appendix F).*

Program Concerns

1. Criterion 6, Faculty: The ABET Draft Statement states, "Faculty members have been teaching overloads. The former head of the program retired and is still teaching equivalent to a full load. The department has hired two new full-time faculty members who do not have a doctorate degree. The student enrollment has increased from 60 in 2010, to 157 in 2015. As the enrollment grows, demand for additional course sections will also grow. Compliance with this criterion could become jeopardized in the future without additional teaching capacity."

   *The new tenure-track faculty position discussed above and the utilization of qualified adjunct instructors who meet the ABET expectations will help resolve the teaching capacity challenge.*

2. Criterion 7, Facilities: The ABET Draft Statement states, "A review of the laboratory courses indicates that there is insufficient availability and guidance in the use of laboratory tools and equipment. While the program has purchased several new pieces of equipment, the submitted list contains many items that are no longer able to be systematically maintained. There is a concern that the equipment will not be readily accessible to the students or systematically maintained without a well-orchestrated laboratory oversight program. The president has indicated there is an open position for a laboratory supervisor to provide the necessary oversight."

   *The University is currently in the process of purchasing over $90,000 of new equipment dedicated to the Ergonomics and Industrial Hygiene laboratories in the new Technology Building. Appendix G outlines the equipment being purchased.*

   *The department will formulate a protocol to provide long-term maintenance of the equipment as well as the personnel needs required to carry out these protocols. The OSH&E program will submit the request for hiring a lab coordinator for 2017-2018 in May 2017 during the FY 2017-2018 University Budget Planning process.*

## Appendix A

## Sample Assessment Report to Support Criterion 3 Student Learning Outcome (f) understanding of professional and ethical responsibility

# OSH&E Program Outcomes - Assessment in 2015-2016
# OSHE 382, Spring 2016 by Dr. Lu Yuan

**3. 2. Students will be able to demonstrate the techniques, skills, and modern behavioral tools necessary for the practice of safety, health, and environment.**

Assessment:

1) QEA #1 - Professional Ethics

Please indicate whether the following statements are true (T) or false (F).

| | | |
|---|---|---|
| 1. Safety professionals may publicly make subjective statements if made in the best interests of their employer and employees. | [ ] T | [ ] F |
| 2. Safety professionals may inform their employer and/or other authority when appropriate if they believe their judgment is overruled and the results could endanger life or property. | [ ] T | [ ] F |
| 3. Safety professionals should not exaggerate their degree of responsibility in prior work settings for the purpose of enhancing the qualifications of their work. | [ ] T | [ ] F |
| 4. Safety professionals should adhere to high standards of ethical conduct with the primary interest of the employer held highest. | [ ] T | [ ] F |
| 5. Safety professionals owe it to their employers to keep only those records that will not discredit the company or deceive the public. | [ ] T | [ ] F |
| 6. As a safety professional, I would report any known safety violations to OSHA. | [ ] T | [ ] F |
| 7. As a safety professional, I follow unwritten rules based on respect for what is safe and fair. | [ ] T | [ ] F |
| 8. As a safety professional, I would report all the results of the safety audit, including the negative ones, to special clients. | [ ] T | [ ] F |
| 9. As a safety professional, I would instruct my supervisor that s/he should be wearing personal protective equipment in special areas. | [ ] T | [ ] F |
| 10. Safety professionals may do work outside of their area of competence as long as they inform their supervisor. | [ ] T | [ ] F |

The table below shows students' performance. Two (of 30) students did not attend the class when QEA #1 was administered.

| Point | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|
| Performance | 5 (17.8%) | 3 (10.7%) | 7 (25%) | 8 (28.6%) | 4 (14.3%) | 1 (3.6%) |

Score summary: High 10, Low 5, Average 7.2.

2) First Exam

Q2. Which one of the following statements about the requirements for construction safety professionals is INCORRECT?

A. The relationship between the safety professionals and the management needs to demonstrate a high level of mutual respect and support.
B. The safety professionals must be able to effectively communicate with the workers and also show respect to them.
C. The safety professionals must always make decisions that will please both management and the workers.
D. The most effective safety practitioners make decisions daily that are firm, fair, and consistent, with the protection of all assets the goal.

Score summary: Correct 30, Wrong 2, Percent of correct answers 93.3%.

For questions 19 through 23, indicate if each of the five statements regarding the professional ethics in OSH&E is **A. True** or **B. False**. NOTE: The answers may be used more than once.

19. Safety professionals may not be required to follow the provisions of federal or state law when such action could compromise their employer's or client's interests.

20. If paid on the basis of the number of recordable accidents in my company, I would record those that are questionable.

21. Safety professionals must hold paramount the safety and health of all of the individuals they oversee both inside and outside of their organizations.

22. Safety professionals should embellish education and/or experience in specific technical responsibilities in past employment when it enhances their reputation.

23. Because of the nature of the work, it is acceptable for the safety engineer who works overtime until 10:15 to sign out at 10:30.

A. True B. False

Score summary:

Q19: Correct 29, Wrong 1, Percent of correct answers 96.7%.
Q20: Correct 21, Wrong 9, Percent of correct answers 70%.
Q21: Correct 28, Wrong 2, Percent of correct answers 93.3%.
Q22: Correct 24, Wrong 6, Percent of correct answers 80%.
Q23: Correct 27, Wrong 3, Percent of correct answers 90%.

General Comments:

Some students seemed to struggle in QEA #1. After the discussions on those statements were made in class, students have improved the performance on questions regarding professional

ethics in the first exam.

Action Plans:

1. Engage the students in the discussion of professional ethics in class.
2. Provide students with the opportunities to work with the construction companies on real-life projects to understand professional ethics.

## Appendix B

## Samples of Assessment Reports to Support Criterion 3 Student Learning Outcomes (i) a recognition of the need for and an ability to engage in life-long learning and (j) a knowledge of contemporary issues

# OSH&E Program Outcomes - Assessment in 2014-2015
# by Dr. Lu Yuan

**4. 1. Students are encouraged to become members of ASSE (American Society of Safety Engineers) and AIHA (American Industrial Hygiene Association) Southeastern Louisiana University Student Sections and be actively involved in the events and activities organized by the Student Sections. At least 50% of upper-level students are ASSE/AIHA members.**

Assessment:

1) ASSE Student Section Events and Activities

There are 44 paid student members according to the ASSE database in March 2015. The actual number is expected to be higher, although the goal of "At least 50% of upper-level students are ASSE/AIHA members" might not be accomplished. OSH&E students' attendance in the ASSE Student Section meetings and events is summarized in the table below.

**Parent-chapter hosted general membership or executive committee meetings attended by Student Section representative(s)**

| Meeting Date | Topic | Speaker | Student Section Representative(s) |
|---|---|---|---|
| 10/21/14 | OSHA Update | **Ms. Dorinda Folse**, OSHA Baton Rouge Area Office Director | Keaton Northington<br>Dr. Lu Yuan |
| 1/20/15 | Team Up With OSHA | **Mr. Corey Gaines**, OSHA Consultation Manager, Louisiana Workforce Commission | Christopher Huckabee<br>Mikki McLendon<br>Dr. Lu Yuan |
| 2/17/15 | Implementing a Back to Work program | **Ms. Vikki Wilder**, Summit Consulting Inc. | Kasra Khalili<br>Andrew Wilder |

**Technical meetings (examples include: risk assessment, ergonomics, site tours etc…)**

| Meeting Date | Topic | Speaker | # of Section Members in Attendance |
|---|---|---|---|
| 9/9/14 | Workers' Compensation | **Mr. Brett Perricone**, GBRASSE 2014-2015 | 28 students (including 12 section |

| | | | |
|---|---|---|---|
| | | President | members) |
| 10/6/14 – 10/7/14 | 2014 Louisiana Governor's Safety and Health Conference | | 8 students (including 5 section members) |
| 10/22/14 | OSH&E Past, Present, and Future Round Table Discussion | | 7 students, 7 graduates, 3 special guests, and 3 faculty members (including 6 section members) |
| 11/6/14 – 11/7/14 | ASSE 2014 Future Safety Leaders Conference | | 1 section member (selected but did not make it) |
| 11/12/14 | Fall Protection | **Mr. Matthew Buvens, CSP**, Director of Environmental, Health and Safety, Regions 1 & 5 of the Brock Group | 15 students (including 11 section members) |
| 11/22/14 | East Baton Rouge Household Hazardous Materials Collection Day | | 4 students (including 2 section members) |
| 2/9/15 | Process Safety Management | **Mr. Jake Valenti, CSP,** Sr. EHS&S Professional at Axiall Corporation | 13 students (including 8 section members) |
| 3/4/15 | Axiall Corporation Plant Tour | | 2 section members |
| 3/12/15 | Keeping Hammond Beautiful and Environment-Friendly | **Mr. Vic Couvillion**, President of Keep Hammond Beautiful | 10 students (including 6 section members) |
| 4/19/15 | Louisiana Earth Day Festival | | |
| 4/23/15 | Abita Brewery Tour | | |

**Other meetings (examples include: interviewing and networking skills, Student Section planning or social gatherings)**

| Meeting Date | Topic | Speaker | # of Section Members in Attendance |
|---|---|---|---|
| 7/16/14 | ASSE Student Section Executive Committee Planning Meeting | | 3 section members |
| 8/13/14 | ASSE Student Section Executive Committee Planning Meeting | | 3 section members |
| 9/12/14 | GBRASSE 2014 Golf Tournament | | 3 section members |
| 11/10/14 | ASSE Student Section Executive Committee Planning Meeting | | 2 section members |
| 12/5/14 | OSH&E Fall 2014 Graduation Ceremony featuring GSP (Graduate Safety Practitioner) Presentation to Fall 2014 Graduate Candidates | 1) **Mr. David West**, Chairman of BCSP (Board of Certified Safety Professionals) Judicial Commission and 2008-2013 Treasurer and Member of Board of Directors for BCSP<br><br>2) **Dr. Sebastian Van Delden**, Southeastern Computer Science and Industry Technology Department Head<br><br>3) **Mr. Brett Perricone**, GBRASSE 2014-2015 President | 60 students and guests (including 6 section members) |
| 1/27/15 | ASSE Recruitment & Retention for Student | **Ms. Lauren Thompson**, | 2 section members |

| | | | |
|---|---|---|---|
| | Sections webinar | ASSE Member/Student Services Coordinator | |
| 2/5/15 | ASSE Student Section Executive Committee Planning Meeting | | 4 section members |
| 3/17/15 | ASSE Student Section Executive Committee Planning Meeting | | 2 section members |
| 4/17/15 | GBRASSE 2015 Golf Tournament | | |
| 5/15/15 | OSH&E Spring 2015 Graduation Ceremony featuring GSP (Graduate Safety Practitioner) Presentation to Spring 2015 Graduate Candidates | 1) **Mr. David West**, Chairman of BCSP (Board of Certified Safety Professionals) Judicial Commission and 2008-2013 Treasurer and Member of Board of Directors for BCSP<br><br>2) **Dr. Sebastian Van Delden**, Southeastern Computer Science and Industry Technology Department Head<br><br>3) **Mr. Brett Perricone**, GBRASSE 2014-2015 President<br><br>4) **Mr. Ken Ridgedell**, Director of Southeastern Office of Career Services<br><br>5) **Mr. Dave Langlois**, **CSP, MBA**, | |

| | | | |
|---|---|---|---|
| | | President of Langlois, Weigand & Associates, Inc. | |

Details about these events and activities are available in the Student Section's application for the ASSE 2014-2015 Outstanding Student Section Award.

General Comments:
The ASSE Student Section was awarded $500 for meeting the Annual Minimum Criteria for the 2014-2015 Outstanding Student Section Award. Comments made by the review committee include:

What was successful about the application?

- Congratulations to Dr. Yuan for Outstanding Educator Award! What an honor!
- Good newsletters.
- There was also a good variety of topics that were discussed at the student section meetings. The student section did a great job with being involved in the community and campus.
- Congratulations to those who received a scholarship/award.
- Excellent variety of endorsements.
- Good job with the newsletters.
-

Which areas could use improvement for next year?

- Section 2.1. I don't see how this is a research study. Maybe an application. Can we see the safety program guide research? I don't think this is research maybe application. The study on disinfectant is a graduate study and doesn't qualify.
- Section 3.1 Field trips for the section are in section 1. They do not involve the campus.
- Section 3.2 Participation in a convocation is not sponsored but is participation. Student membership drives are for safety majors, not the campus.
- It would be good to see more participation at the student section meetings. Keep looking for new ways to get people to come attend meetings, don't get discouraged.

Action Plans:

1. Participate in the ASSE Student Membership Drive to continually increase the number of ASSE Student Members.
2. Start planning the events and activities of 2015-2016 early in the summer of 2015.
3. Build better and stronger connection with GBRASSE as well as ASSE-NO and the national ASSE office through the effort made by the ASSE Student Section faculty advisor and executive committee members.

# OSH&E Program Outcomes - Assessment in 2013-2014
# by Dr. Lu Yuan

**4. 2. Students are encouraged to continue professional growth and improvement by pursuing the widely recognized certifications including, but not limited to: 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.**

Assessment:

3) Exit Interview Spring 2014

Twelve Spring 2014 Graduating seniors and one Summer 2014 graduating senior completed the exit interview. One student did not participate in the exit interview but has sent his response to the exit interview questions to Dr. Yuan. Two of the thirteen graduating seniors did not graduate in Spring 2014 because of failing in one or more classes. Thanks to the ABET accreditation, all graduates were granted Graduate Safety Practitioners (GSPs), which served as alternate path toward CSPs. Thus, they all plan to take the CSP exams whenever their experience points meet the criteria. A few graduates indicated that they would pursue the Master's degree in the future.

4) Roundtable Discussion Fall 2013

The second triennial OSH&E roundtable discussion / ASSE Student Section October meeting was held from 12:00 pm to 2:00 pm on Wednesday October 16, 2013 in the War Memorial Student Union & Annex Pelican room 229. 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 attended the meeting. The meeting attendees were asked to fill out a questionnaire about the OSH&E program educational objectives, student outcomes, and curriculum. In particular, on a scale of 1 through 5, where 1 means Not Important and 5 means Very Important, they were asked to indicate how important the OSH&E program outcomes are to help the OSH&E students develop the following skills or abilities: 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. The answers are as follows:

1 – 0 (0%)
2 – 0 (0%)
3 – 1 (7.7%)
4 – 5 (38.5%)
5 – 7 (53.8%)

General Comments:
Some OSH&E graduates are eligible to take CSP exams soon after they graduate, whereas others

may need a full 3-year period to fulfill the requirements on work experience. There is no time limit on this Program Outcome 4.2 in regard to when the OSH&E graduates should pursue the certifications.

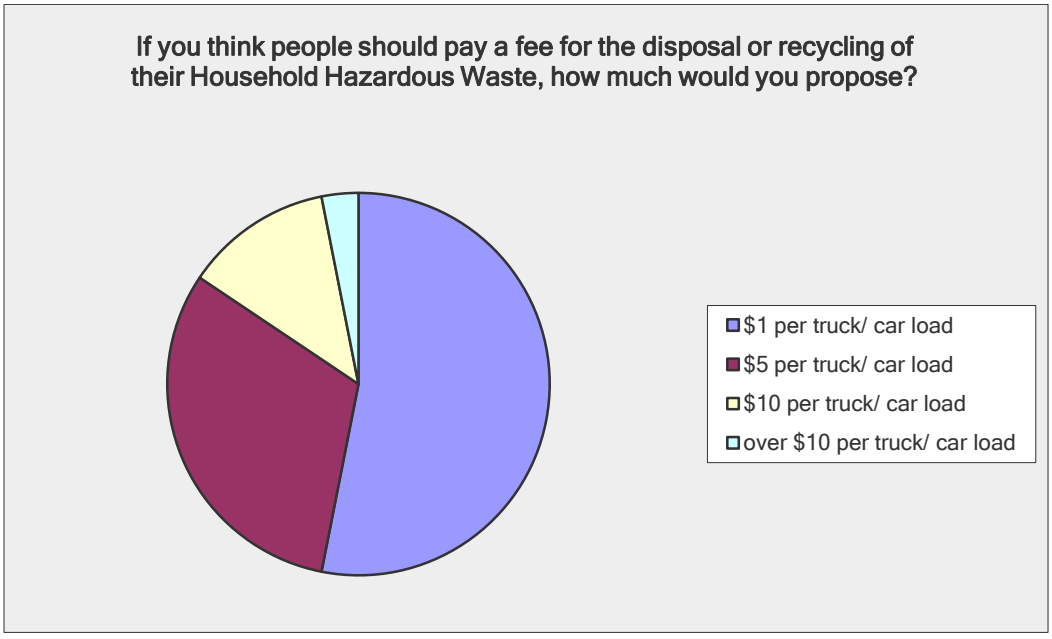
Action Plans:

1. Invite CSP/CIH experts to class or ASSE student section's monthly meetings to talk about the certifications.
2. Continue to use the ASP/CSP exams as guidance to draft the exam questions for the pertinent OSHE classes.
3. Continue to present a list of graduate schools that may have OSH&E-related programs and discuss that with graduates.

# OSH&E Program Outcomes - Assessment in 2014-2015
By Dr. Ephraim Massawe

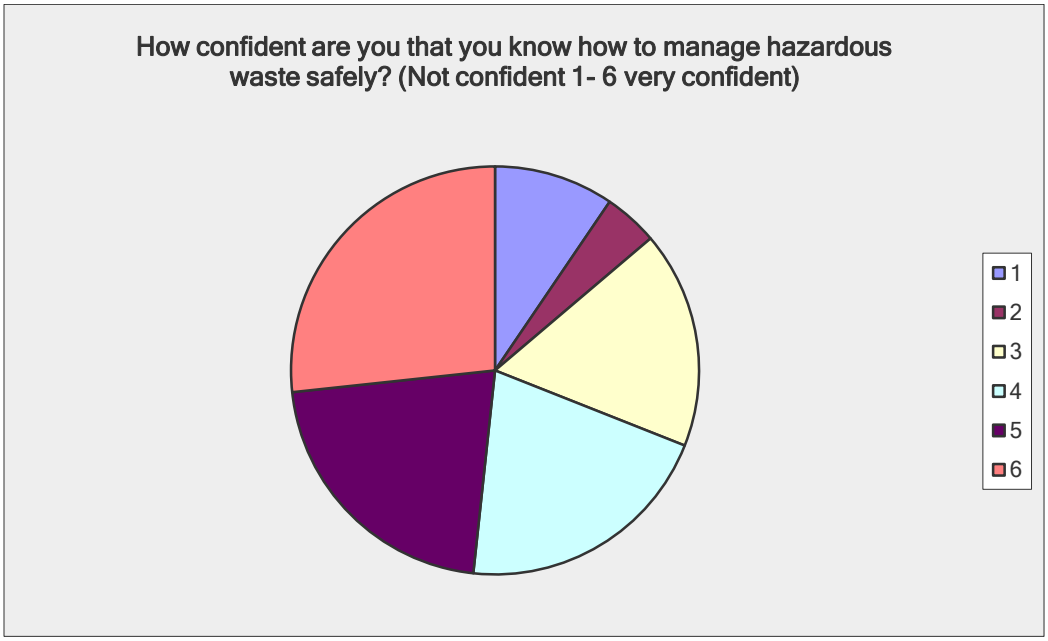
**Assessment of knowledge of contemporary issues surrounding household hazardous wastes management events in the city of Hammond**

| Answer Options | Response Percent | Response Count |
|---|---|---|
| $1 per truck/ car load | 53.1% | 17 |
| $5 per truck/ car load | 31.3% | 10 |
| $10 per truck/ car load | 12.5% | 4 |
| over $10 per truck/ car load | 3.1% | 1 |




Summary action: Students are aware of the financial implications of managing the household hazardous wastes and at the same time most of them are aware of the financial situation facing the residents. Both of these observations are apparent from more than 50% responding affirmatively that a fee needs to be imposed on the residents for their wastes; however, a fee of only $1 is being proposed.

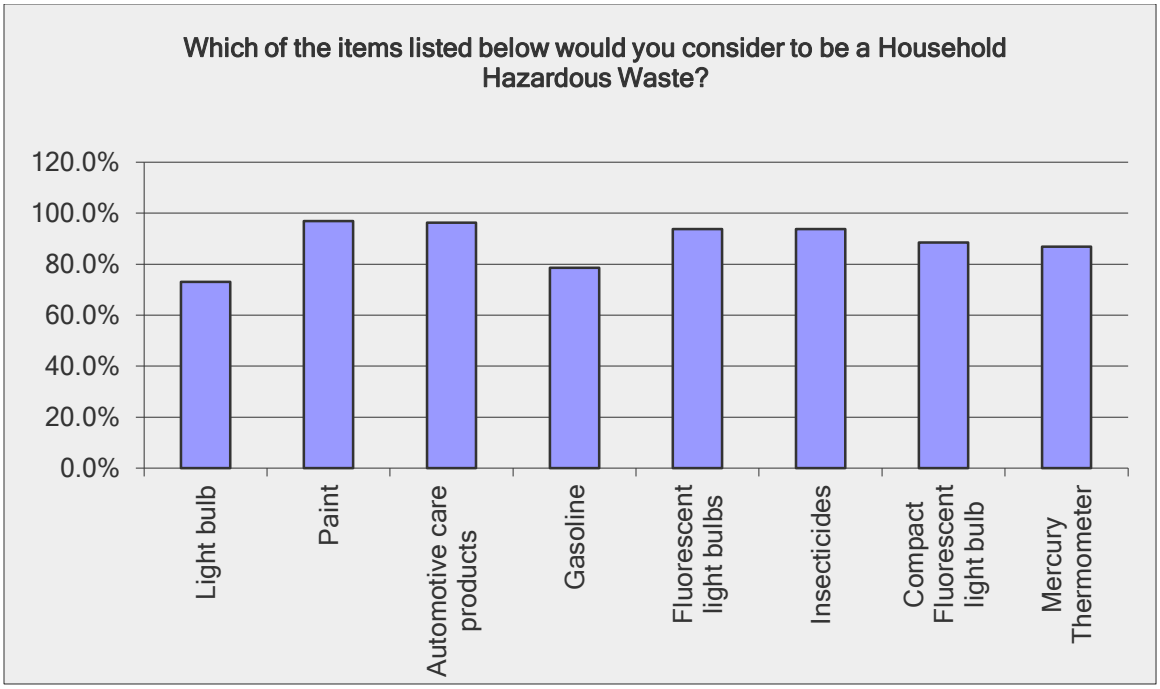
| How confident are you that you know how to manage hazardous waste safely? (Not confident 1- 6 very confident) | | |
|---|---|---|
| **Answer Options** | **Response Percent** | **Response Count** |
| 1 | 9.5% | 11 |
| 2 | 4.3% | 5 |
| 3 | 17.2% | 20 |
| 4 | 20.7% | 24 |
| 5 | 21.6% | 25 |
| 6 | 26.7% | 31 |

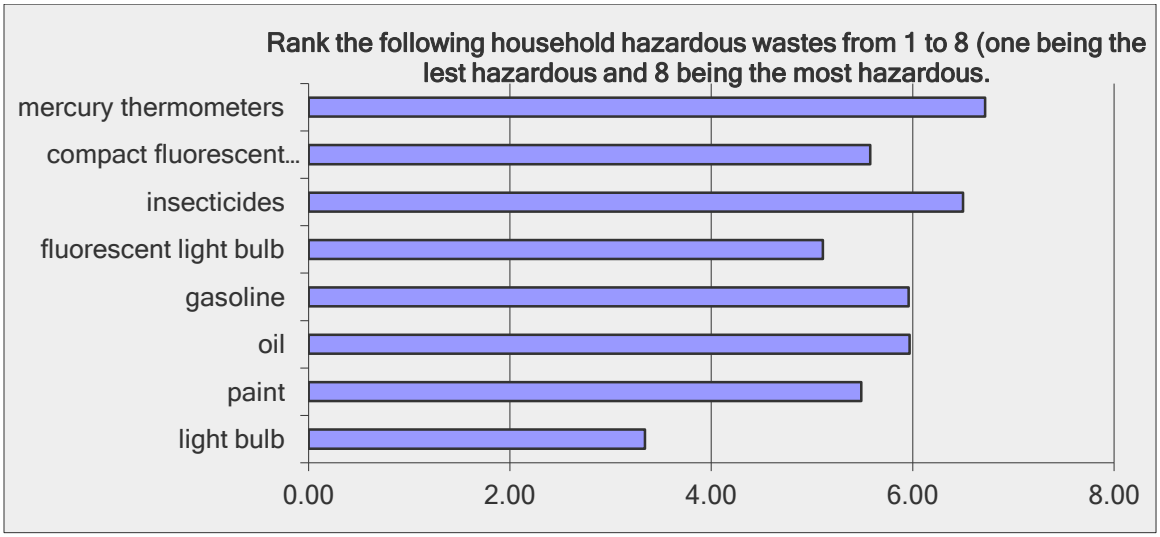



Summary: More than 25% of the respondent seem to be very confident and knowledgeable about managing hazardous waste – both from the question above as well as from the two questions below which wanted them to identify (knowledge of) and rank (knowledge of) hazardous wastes, respectively.

| Which of the items listed below would you consider to be a Household Hazardous Waste? | | |
|---|---|---|
| **Answer Options** | **Response Percent** | **Response Count** |
| Light bulb | 73.1% | 95 |
| Paint | 96.9% | 126 |
| Automotive care products | 96.2% | 125 |

| | | |
|---|---|---|
| Gasoline | 78.5% | 102 |
| Fluorescent light bulbs | 93.8% | 122 |
| Insecticides | 93.8% | 122 |
| Compact Fluorescent light bulb | 88.5% | 115 |
| Mercury Thermometer | 86.9% | 113 |



## Appendix C

## Revised OSH&E Student Outcomes to Address Criterion 3
## (Revisions are in bold – see 3.4 and 3.5)

## 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 will be able to apply mathematical and statistical knowledge in the safety, health, and environment field.
   2) Students will be able to demonstrate knowledge of principles in chemistry, physics, and biology as it pertains to the practice of safety, health, and environment.
   3) Students will be able to demonstrate knowledge of 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 will be able to demonstrate knowledge of occupational safety, health, and environmental fundamentals.
      2) Students will be able to demonstrate knowledge of legal aspects of safety, health, and environmental practices.
      3) Students will be able to demonstrate knowledge of the interactions of physical, chemical, biological, and ergonomic agents, factors, and/or stressors on the human body.
      4) Students will be able to demonstrate knowledge of the application of laws, regulations, standards, and codes to safety, health and environmental conditions.
      5) Students will be able to demonstrate and use principles of fire prevention and protection in the workplace.
      6) Students will be able to demonstrate knowledge of 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 will be able to utilize basic laboratory instrumentations associated with safety, health, and environment.
      2) Students will be able to anticipate, identify and evaluate hazardous agents, conditions, and practices.
      3) Students will be able to demonstrate knowledge and skills of fundamental exposure assessment and environmental sampling techniques.
      4) Students will be able to develop control designs, methods, procedures, and programs to eliminate or mitigate safety, health, and environmental hazards.
      5) Students will be able to conduct accident/incident investigation and analysis.

6) Students will be able 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 will be able to effectively express thoughts in oral and written communications.
    2) Students will be able to demonstrate knowledge of the techniques, skills, and modern behavioral tools necessary for the practice of safety, health, and environment.
    3) Students will be able to effectively function as a part of multi-disciplinary team.
    **4) Students will be able to demonstrate knowledge of professional and ethical responsibility.**
    **5) Students will be able to demonstrate knowledge of contemporary issues.**

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.

## Appendix D

## OSH&E Curriculum Request for Change Forms

1. Change IT 391 course description
2. Add OSHE 391 Internship
3. Replace IT 391 with OSHE 391

SOUTHEASTERN LOUISIANA UNIVERSITY

Date: 02/09/2017

# Request for Change

## *In Existing Course*

**Form Instructions:**
Please complete this form and print on **YELLOW** paper; the form fields will expand to meet your needs. Print on the front and back of sheet if form expands beyond 2 pages. Forward completed form to the appropriate persons for their Approval/Denial in the order indicated below. Once Approval is received from the Graduate Council, **make fourteen (14) copies of the signed form** and forward the original with copies to Dyson 127.

| Submitted by College of: | Department offering course: |
|---|---|
| **Science & Technology** | **Computer Science and Industrial Technology** |
| Request Summary (used to create UCC agenda—one or two sentences only):<br>Modify course description | |

**Only complete the sections that have changed, otherwise the cells should remain blank.**

| Current Prefix: | Current Number: | Current Credit Hours: | Current Component: | Current CIP code (nn.nnnn): |
|---|---|---|---|---|
| IT | 391 | 3-12 | Internship | **15.0612** |
| **Proposed Prefix:** | **Proposed Number:** | **Proposed Credit Hours:** | **Proposed Component:** | **Proposed CIP code (nn.nnnn):** |
| IT | 391 | 3-12 | Internship | **15.0612** |

| | |
|---|---|
| Current Course Title:<br>Industrial Internship | Proposed Course Title:<br>Industrial Internship |
| Current Course Prerequisite(s):<br>Permission of Department Head | Proposed Course Prerequisite(s):<br>Permission of Department Head |
| Course Description:<br>Students receive on-the-job work experience with selected and approved industrial firms. For three hours credit a student must be employed a minimum of 20 hours per week during a regular semester and a minimum of 40 hours per week during the summer semester. Course may be repeated for a maximum of 12 credit hours. Grades assigned on a Pass/Fail basis only. | Proposed Course Description:<br>Students receive on-the-job work experience with selected and approved industrial firms. Completion of all 100- and 200- level major courses are required before internship is taken. For three hours credit a student must be employed a minimum of 20 hours per week during a regular semester and a minimum of 40 hours per week during the summer semester. Course may be repeated for a maximum of 12 credit hours. Grades assigned on a Pass/Fail basis only. |
| Course Typically Offered (Current):<br>☒ Summer ☒ Fall ☒ Spring **OR:** ☐ As Needed | Course Typically Offered (Proposed):<br>☒ Summer ☒ Fall ☒ Spring **OR:** ☐ As Needed |
| Frequency of Course Offering (Current):<br>☒Year ☐Odd Yr ☐Even Yr **OR:** ☐ As Needed | Frequency of Course Offering (Proposed):<br>☒Year ☐Odd Yr ☐Even Yr **OR:** ☐ As Needed |
| Page numbers affected in the printed catalogue (include year) **OR** URL of on-line catalogue:<br>P. 566 (2016-2017 Catalogue) | |
| Proposed course description as it will appear in the catalogue:<br>391. Industrial Internship. Credit 3-12 hours. Prerequisite: Permission of Department Head. Students receive on-the-job work experience with selected and approved industrial firms. Completion of all 100- and 200- level major courses are required before internship is taken. For three hours credit a student must be employed a minimum of 20 hours per week during a regular semester and a minimum of 40 hours per week during the summer semester. Course may be repeated for a maximum of 12 credit hours. Grades assigned on a Pass/Fail basis only. (Summer, Fall, Spring) | |

| | |
|---|---|
| What program assessment results have prompted the need to change this course? Reference specific departmental goals, outcomes (by year) and action plans that address this need. | |
| What other reason(s) has prompted the need to change this course?<br>The ABET (Accreditation Board for Engineering and Technology) draft statement to the OSH&E program reaccreditation identified a weakness that "there is evidence that some students complete the culminating experience prior to completing the majority of OSHE coursework." Since IT 391 is identified as the course that addresses culminating experience, it is important for a student to complete all 100- and 200- level OSHE major courses which account for 8 of the total 15 (14 required plus 1 OSHE professional elective) OSHE courses before the student is eligible to take IT 391. | |
| What is the anticipated time investment of a student both in and out of the classroom in order for the student to achieve the learning outcomes for the course (see Credit Hour Policy)? For three hours credit a student must be employed a minimum of 20 hours per week during a regular semester and a minimum of 40 hours per week during the summer semester | |
| Council for Teacher Education approval needed? (Yes if any of the below are met):<br>• This change affects any education undergraduate degree, graduate degree or certification program and/or<br>• This change affects components of PassPort portfolios or any aspect of the assessment system and/or<br>• This change affects field experience of any type reported by education majors | ☐ Yes ☒ No |

| Departments/colleges that could be affected by proposed change: | Have these departments/colleges been notified of the proposed change? ☐ Yes ☐ No ☒ Not Applicable |
|---|---|

***ATTACH COPY OF PAGE IN CURRENT CATALOGUE THAT CONTAINS THE COURSE TO BE CHANGED WITH CLEAR INDICATIONS ON HOW THE COURSE IS TO BE CHANGED***

**Approval/Denial of New Course - Secure Signatures in following order**

| | | | |
|---|---|---|---|
| 1. | ☒ Approved ☐ Denied | Chair, Dept. Curriculum Committee: | Date: 2/21/2017 |
| 2. | ☒ Approved ☐ Denied | Department Head: | Date: 2/21/2017 |
| 3. | ☒ Approved ☐ Denied | Chair, College Curriculum Committee: | Date: 2/21/2017 |
| 4. | ☒ Approved ☐ Denied | College/School Dean: | Date: 2/22/17 |
| 5. | ☐ Approved ☐ Denied | *(if applicable)* Chair, Teacher Education Council: | Date: |
| 6. | ☐ Approved ☐ Denied | *(if applicable)* Dean of Education: | Date: |
| 7. | ☐ Approved ☐ Denied | *(if applicable)* Chair, Graduate Council: | Date: |
| 8. | ☒ Approved ☐ Denied | Chair, University Curriculum Council: | Date: 2/23/17 |
| 9. | ☒ Approved ☐ Denied | Provost: | Date: 2/24/17 |
| 10. | ☒ Record Complete | AVP for Academic Programs: | Date: 3/1/17 |

**Reason for Denial:**

SOUTHEASTERN LOUISIANA UNIVERSITY

Date: 2/9/2017

# Request for New Course

**Form Instructions:**
Please complete this form and print on **PINK** paper; the form fields will expand to meet your needs. Print on the front and back of sheet if form expands to 2 pages. Forward completed form to the appropriate persons for their Approval/Denial in the order indicated below. Once Approval is received from the Graduate Council, **make fourteen (14) copies of the signed form** and forward the original with copies to Dyson 127.

| | |
|---|---|
| Submitted by College of:<br>**Science & Technology** | Department offering course:<br>**Computer Science and Industrial Technology** |
| Request Summary (used to create UCC agenda—one or two sentences only):<br>Add OSHE 391 Internship | |

| Course Prefix: | Course Number: | Course Credit Hours: | Course Component: | Course CIP code (nn.nnnn): |
|---|---|---|---|---|
| OSHE | 391 | 3-12 | Internship | **51.2206** |

| | |
|---|---|
| Title of Course:<br>Internship | Lab Fee required? / Request submitted to lab fee committee?<br>☐ Yes ☒ No / ☐ Yes ☒ No |
| Course Prerequisite(s):<br>Permission of Department Head | |
| Course Description:<br>Students receive on-the-job work experience related to occupational safety, health, and environment with selected and approved industrial firms or other organizations. Completion of all 100- and 200- level OSHE courses are required before internship is taken. For three hours credit a student must be employed a minimum of 20 hours per week during a regular semester and a minimum of 40 hours per week during the summer semester. Course may be repeated for a maximum of 12 credit hours. Grades assigned on a Pass/Fail basis only. | Course to be typically offered:<br>☒ Summer ☒ Fall ☒ Spring ☒ Yearly ☐ Odd Yr ☐ Even Yr<br>**OR:** ☐ As Needed |
| Page numbers affected in the printed catalogue (include year) **OR** URL for on-line catalogue:<br>**P. 613 (2016-2017 Catalogue)** | |
| Complete course description as it will appear in the catalogue:<br>391. Internship. Credit 3-12 hours. Prerequisite: Permission of Department Head. Students receive on-the-job work experience related to occupational safety, health, and environment with selected and approved industrial firms or other organizations. Completion of all 100- and 200-level OSHE courses are required before internship is taken. For three hours credit a student must be employed a minimum of 20 hours per week during a regular semester and a minimum of 40 hours per week during the summer semester. Course may be repeated for a maximum of 12 credit hours. Grades assigned on a Pass/Fail basis only. (Summer, Fall, Spring) | |

| | |
|---|---|
| What program assessment results have prompted the need for this new course? Reference specific departmental goals, outcomes (by year) and action plans that address this need. | |
| What other reason(s) has prompted the need for this new course?<br>**Feedback from the recent OSH&E reaccreditation visit by ABET (Accreditation Board for Engineering and Technology) indicated that the OSHE internship did not have the prefix OSHE (as IT 391 Internship is currently requried for the OSHE curriculum) nor managed by the OSH&E faculty. By creating OSHE 391 Internship and replacing IT 391 with it , we are able to address this issue** | What enrollment may be reasonably anticipated?<br>**7** Per **semester** |
| Council for Teacher Education approval needed? (Yes if any of the below are met):<br>• This change affects any education undergraduate degree, graduate degree or certification program and/or<br>• This change affects components of PassPort portfolios or any aspect of the assessment system and/or<br>• This change affects field experience of any type reported by education majors | ☐ Yes ☒ No |
| Other departments/colleges that could be affected by proposed course: | Have these departments/colleges been notified of the proposed course? ☐ Yes ☐ No ☒ Not Applicable |

**Course Time Investment***: For three hours credit a student must be employed a minimum of 20 hours per week during a regular semester and a minimum of 40 hours per week during the summer semester.

**Course Outline**: The internship is designed to provide an alternation of study on-campus and training off-campus as a superior form of education. Actual industrial experience is an integral part of the student's formal education, and theory is blended with practice. In addition to their regular classroom and laboratory experiences, students gain valuable experiences by working in an industrial environment.

**Course Objectives:**

1. To provide students with the opportunity to apply the knowledge gained in their coursework in an industrial environment.

2. To provide students with an insight into the myriad of career opportunities available for Occupational Safety, Health, and Environment graduates.

3. To provide students with experiences in establishing objectives and formulating plans to achieve those objectives.

4. To provide students with the opportunity to develop their leadership abilities in an industrial environment.

5. To provide students with an objective evaluation of their work traits through an external review of their individual performance while working in an industrial environment.

**Course Evaluation Method:** identification of student's measurable learning objectives, three activity reports, daily log, time and wage report, employer's evaluation of the student, and an executive summary

**Course Bibliography:** Not applicable

*Effort expended both in and out of class for a student to achieve learning outcomes for the course—see the Credit Hour Policy

**Approval/Denial of New Course - Secure Signatures in following order**

| | | | |
|---|---|---|---|
| 1. | ☒ Approved ☐ Denied | Chair, Dept. Curriculum Committee: | Date: 2/21/2017 |
| 2. | ☒ Approved ☐ Denied | Department Head: | Date: 2/21/2017 |
| 3. | ☒ Approved ☐ Denied | Chair, College Curriculum Committee: | Date: 2/21/2017 |
| 4. | ☑ Approved ☐ Denied | College/School Dean: | Date: 2/20/17 |
| 5. | ☐ Approved ☐ Denied | *(if applicable)* Chair, Teacher Education Council: | Date: |
| 6. | ☐ Approved ☐ Denied | *(if applicable)* Dean of Education: | Date: |
| 7. | ☐ Approved ☐ Denied | *(if applicable)* Chair, Graduate Council: | Date: |
| 8. | ☒ Approved ☐ Denied | Chair, University Curriculum Council: | Date: 2/23/17 |
| 9. | ☑ Approved ☐ Denied | Provost: | Date: 2/24/17 |
| 10. | ☑ Record Complete | AVP for Academic Programs: | Date: 2/27/17 |

**Reason for Denial:**

SOUTHEASTERN LOUISIANA UNIVERSITY

Date: 02/09/2017

# Request for Change

## *In Catalogue Entry*

**Form Instructions:**
Please complete this form and print on **GREEN** paper; the form fields will expand to meet your needs. Print on the front and back of sheet if form expands beyond 2 pages. Forward completed form to the appropriate persons for their Approval/Denial in the order indicated below. Once Approval is received from the Graduate Council, **make fourteen (14) copies of the signed form** and forward the original with copies to Dyson 127.

| | |
|---|---|
| Submitted by College of:<br>**Science & Technology** | Department offering course:<br>**Computer Science and Industrial Technology** |
| Request Summary (used to create UCC agenda—one or two sentences only):<br>Changes in the BS OSH&E curriculum sheet | |

| | |
|---|---|
| Type of Change (Major, Minor, Concentration, Curriculum, Policy, Catalogue entry) Email from Provost **MUST** be attached if pre-approval is required:<br>Curriculum | |
| Current Catalogue Entry:<br>Curriculum in Occupational Safety, Health, and Environment (See attached) | Proposed Catalogue Entry:<br>Curriculum in Occupational Safety, Health, and Environment (See attached)<br>1. Replace Industrial Technology 391 or 492H with OSHE 391 or Industrial Technology 492H |
| Page numbers affected in the printed catalogue (include year) **OR** URL for on-line catalogue:<br>**p.348 (2016-2017 Catalogue)** | |

| | |
|---|---|
| What program assessment results have prompted this catalogue change? Reference specific departmental goals, outcomes (by year) and action plans that address this need.<br>**N/A** | |
| What other reason(s) has prompted the need for this catalogue change?<br>**Feedback from the recent OSH&E reaccreditation visit by ABET (Accreditation Board for Engineering and Technology) indicated that the OSHE internship did not have the prefix OSHE (as IT 391 Internship is currently requried for the OSHE curriculum) nor managed by the OSH&E faculty. By creating OSHE 391 Internship and replacing IT 391 with it , we are able to address this issue.** | |
| Council for Teacher Education approval needed? (Yes if any of the below are met):<br>• This change affects any education undergraduate degree, graduate degree or certification program and/or<br>• This change affects components of PassPort portfolios or any aspect of the assessment system and/or<br>• This change affects field experience of any type reported by education majors | ☐ Yes ☒ No |
| Departments/colleges that could be affected by proposed change: | Have these departments/colleges been notified of the proposed change? ☐ Yes ☐ No ☒ Not Applicable |

***ATTACH COPY OF PAGE IN CURRENT CATALOGUE THAT CONTAINS THE ENTRY TO BE CHANGED WITH CLEAR INDICATIONS AS TO HOW IT IS TO BE CHANGED***

| Approval/Denial of New Course - Secure Signatures in following order | | | |
|---|---|---|---|
| 1. | ☒ Approved ☐ Denied | Chair, Dept. Curriculum Committee: | Date: 2/16/17 |
| 2. | ☒ Approved ☐ Denied | Department Head: | Date: 2/16/17 |
| 3. | ☒ Approved ☐ Denied | Chair, College Curriculum Committee: | Date: 16 Feb 2017 |
| 4. | ☒ Approved ☐ Denied | College/School Dean: | Date: 2/16/17 |
| 5. | ☐ Approved ☐ Denied | *(if applicable)* Chair, Teacher Education Council: | Date: |
| 6. | ☐ Approved ☐ Denied | *(if applicable)* Dean of Education: | Date: |
| 7. | ☐ Approved ☐ Denied | *(if applicable)* Chair, Graduate Council: | Date: |

| | | | |
|---|---|---|---|
| 8. | ☒ Approved<br>☐ Denied | Chair,<br>University Curriculum Council: Timothy O'Keefe | Date: 2/23/17 |
| 9. | ☑ Approved<br>☐ Denied | Provost: Lena L Soldy | Date: 2/24/17 |
| 10. | ☑ Record Complete | AVP for Academic Programs: | Date: 3/1/17 |

| **Reason for Denial:** |
|---|
| |

**CURRICULUM IN OCCUPATIONAL SAFETY, HEALTH AND ENVIRONMENT**
**LEADING TO THE DEGREE OF BACHELOR OF SCIENCE**

(AS IN THE 2016-2017 CATALOG)

## FIRST YEAR

| FIRST SEMESTER | | SECOND SEMESTER | |
|---|---|---|---|
| English 101 or 121H or 123H[G,H] | 3 | English 102 or 122H or 124H[G,H] | 3 |
| Mathematics 151/161[G] | 3 | Mathematics 162[G] | 3 |
| ††OSHE 111 | 3 | Computer Science 173 | 3 |
| ††OSHE 112 | 3 | ††OSHE 121 | 3 |
| General Biology 151[G,H] | 3 | ††OSHE 141 | 3 |
| Biology Lab 152 | 1 | | |
| Southeastern 101 | 2 | | |
| | 18 | | 15 |

## SECOND YEAR

| | | | |
|---|---|---|---|
| Chemistry 101[G] | 3 | Physics 191 | 3 |
| Chemistry Lab 103 | 1 | Physics Lab 193 | 1 |
| Mathematics 241 | 3 | Communication 211[G,H] | 3 |
| Psychology101[G] | 3 | ††OSHE 231 | 3 |
| ††OSHE 251 | 3 | ††OSHE 242 | 3 |
| | | ††OSHE 261 | 3 |
| | 13 | | 16 |

## THIRD YEAR

| | | | |
|---|---|---|---|
| Chemistry 102[G] | 3 | Chemistry 261 | 3 |
| Chemistry Lab 104 | 1 | History 101 or 102 or 201 or 202[G,H] | 3 |
| English 230 or 231 or 232[G,H] | 3 | Economics 201[G] | 3 |
| Zoology 241 | 4 | English 322 | 3 |
| ††OSHE 381 | 3 | ††OSHE 341 | 3 |
| | 14 | | 15 |

## FOURTH YEAR

| | | | |
|---|---|---|---|
| ††OSHE 424 | 3 | ††OSHE 382 | 3 |
| ††OSHE 452 | 3 | ††OSHE 421 | 3 |
| Management 351 | 3 | ††Industrial Technology 391 or 492H | 3 |
| Arts Elective[1, G,H] | 3 | ††Professional Elective[2] | 3 |
| ††Professional Elective[2] | 3 | ††Professional Elective[2] | 2 |
| | 15 | | 14 |

Total semester hours required ..... 120

Southeastern 101 is not required of transfer or readmitted Southeastern students with 30 hours or more. Those students will replace Southeastern 101 with 2 hours of professional electives.

[G]General Education Courses
[H]Honors students to take Honors course option.

††A "C" or better (2.0 minimum GPA) must be earned in all major courses and professional electives.
[1]Social/Behavioral Sciences course must be selected by students in consultation with their advisors.
[2]Technical electives must be selected by students in consultation with their advisors.

**CURRICULUM IN OCCUPATIONAL SAFETY, HEALTH AND ENVIRONMENT**
**LEADING TO THE DEGREE OF BACHELOR OF SCIENCE**

(AS PROPOSED FOR THE 2017-2018 CATALOG)

## FIRST YEAR

| FIRST SEMESTER | | SECOND SEMESTER | |
|---|---|---|---|
| English 101 or 121H or 123H[G,H] | 3 | English 102 or 122H or 124H[G,H] | 3 |
| Mathematics 151/161[G] | 3 | Mathematics 162[G] | 3 |
| ††OSHE 111 | 3 | Computer Science 173 | 3 |
| ††OSHE 112 | 3 | ††OSHE 121 | 3 |
| General Biology 151[G,H] | 3 | ††OSHE 141 | 3 |
| Biology Lab 152 | 1 | | |
| Southeastern 101 | 2 | | |
| | 18 | | 15 |

## SECOND YEAR

| | | | |
|---|---|---|---|
| Chemistry 101[G] | 3 | Physics 191 | 3 |
| Chemistry Lab 103 | 1 | Physics Lab 193 | 1 |
| Mathematics 241 | 3 | Communication 211[G,H] | 3 |
| Psychology101[G] | 3 | ††OSHE 231 | 3 |
| ††OSHE 251 | 3 | ††OSHE 242 | 3 |
| | | ††OSHE 261 | 3 |
| | 13 | | 16 |

## THIRD YEAR

| | | | |
|---|---|---|---|
| Chemistry 102[G] | 3 | Chemistry 261 | 3 |
| Chemistry Lab 104 | 1 | History 101 or 102 or 201 or 202[G,H] | 3 |
| English 230 or 231 or 232[G,H] | 3 | Economics 201[G] | 3 |
| Zoology 241 | 4 | English 322 | 3 |
| ††OSHE 381 | 3 | ††OSHE 341 | 3 |
| | 14 | | 15 |

## FOURTH YEAR

| | | | |
|---|---|---|---|
| ††OSHE 424 | 3 | ††OSHE 382 | 3 |
| ††OSHE 452 | 3 | ††OSHE 421 | 3 |
| Management 351 | 3 | ††OSHE 391or Industrial Technology 492H | 3 |
| Arts Elective[1, G,H] | 3 | ††Professional Elective[2] | 3 |
| ††Professional Elective[2] | 3 | ††Professional Elective[2] | 2 |
| | 15 | | 14 |

Total semester hours required ..... 120

Southeastern 101 is not required of transfer or readmitted Southeastern students with 30 hours or more. Those students will replace Southeastern 101 with 2 hours of professional electives.

[G]General Education Courses
[H]Honors students to take Honors course option.

††A "C" or better (2.0 minimum GPA) must be earned in all major courses and professional electives.
[1]Social/Behavioral Sciences course must be selected by students in consultation with their advisors.
[2]Technical electives must be selected by students in consultation with their advisors.

## Appendix E

## Samples of OSH&E Students' Transcripts

UNOFFICIAL LIST of ACADEMIC WORK

Run Date: 02/16/2017 Page: 1

**Degree(s) Awarded:**
Degree Conferred: December 13,2014
Degree: Associate of Applied Science
Major: Industrial Technology
Option: Occupational Safety and Health
GPA: 2.455

Substitutions:

| | | | |
|---|---|---|---|
| MATH 164 | for | MATH 161 | 11/10/2015 |
| OSH 115 | for | OSHE 111 | 11/10/2015 |
| OSH 125 | for | OSHE 251 | 11/10/2015 |
| PHYS 221 | for | PHYS 191 | 11/10/2015 |
| PLAB 223 | for | PLAB 193 | 11/10/2015 |

Transfer Credit Accepted:

| School | | Location | Dates | HRS |
|---|---|---|---|---|
| Delgado Community College | | New Orleans LA | 92/06-92/07 | 3.00 |
| SOC 101 | SOCI 151 | A 3.00 | | |
| | | | 95/08-95/12 | 6.00 |
| HIST MMM | HIST 260 | C 3.00 | | |
| PHYS XXX | SCIE 101 | C 3.00 | | |
| | | | 96/01-96/05 | 0.00 |
| FIN 123 | BUSG 125 | F 3.00 | | |
| KINL XXX | PHYE 145 | F 3.00 | | |
| | | | 96/08-96/12 | 7.00 |
| ACCT 211 | ACCT 201 | A 4.00 | | |
| FREN 101 | FREN 101 | B 3.00 | | |
| | | | 97/01-97/05 | 3.00 |
| CMPS XXX | CMIN 141 | A 3.00 | | |
| University of New Orleans | | New Orleans LA | 97/08-97/12 | 9.00 |
| ENGL XXX | ENGL 2238 | W 3.00 | | |
| FREN 102 | FREN 1002 | D 3.00 | | |
| MATH 312 | MATH 2115 | D 3.00 | | |
| PHYS 221 | PHYS 1061 | B 3.00 | | |

HONORS and OTHER INFORMATION:
Mathematics Proficiency Demonstrated
English Proficiency Demonstrated

| Course | Title | GR | HrA | HrE | Q-Pts |
|---|---|---|---|---|---|
| FALL 1988 | BASIC_STU/Basic Curriculum | | | | |
| CHEM 121 | INORGANIC CHEMISTRY | W | 0.0 | 0.0 | 0.0 |
| CLAB 123 | INORG CHEM LAB | W | 0.0 | 0.0 | 0.0 |
| DNC 361 | JAZZ I | W | 0.0 | 0.0 | 0.0 |
| MATH 164 | PRECALCULUS MATHEMATICS | C | 3.0 | 3.0 | 6.0 |
| HIST 201 | UNITED STATES HISTORY | C | 3.0 | 3.0 | 6.0 |
| ENGL 101 | FRESHMAN COMPOSITION | F | 3.0 | 0.0 | 0.0 |
| ORNT 101 | FRESHMAN ORIENTATION | P | 0.0 | 1.0 | 0.0 |
| Semester Totals | GPA: 1.333 | | 9.0 | 7.0 | 12.0 |
| ** PROBATION ** | | | | | |
| SPRING 1989 | BASIC_STU/Basic Curriculum | | | | |
| ENGL 101 | FRESHMAN COMPOSITION | WD | 0.0 | 0.0 | 0.0 |
| MATH 162 | PLANE TRIGONOMETRY | B | 3.0 | 3.0 | 9.0 |
| MUS 151 | INTRO TO MUSIC | W | 0.0 | 0.0 | 0.0 |
| ZOO 102 | INTRODUCTION TO ZOOLOGY | C | 3.0 | 3.0 | 6.0 |
| PHYS 131 | DIMEN ANALYSIS | C | 3.0 | 3.0 | 6.0 |
| PSYC 101 | GEN PSYCHOLOGY I | W | 0.0 | 0.0 | 0.0 |
| PELB 110 | TENNIS | W | 0.0 | 0.0 | 0.0 |
| Semester Totals | GPA: 2.333 | | 9.0 | 9.0 | 21.0 |
| * * GOOD * * | | | | | |

| Course | Title | GR | HrA | HrE | Q-Pts |
|---|---|---|---|---|---|
| FALL 1989 | BASIC_STU/Basic Curriculum | | | | |
| CMPS 161 | INTRO COMPUTING | C | 3.0 | 3.0 | 6.0 |
| COMM 211 | INTRO PUBLIC SPEAKING | A | 3.0 | 3.0 | 12.0 |
| CPL 104 | CAREER PLANNING | B | 3.0 | 3.0 | 9.0 |
| MATH 200 | CALCULUS I | D | 5.0 | 5.0 | 5.0 |
| Semester Totals | GPA: 2.286 | | 14.0 | 14.0 | 32.0 |
| * * GOOD * * | | | | | |
| SPRING 1990 | BASIC_STU/Basic Curriculum | | | | |
| CMPS 257 | DISCRETE STRUCTURE | A | 3.0 | 3.0 | 12.0 |
| ENGL 101 | FRESHMAN COMPOSITION | C | 3.0 | 3.0 | 6.0 |
| CMPS 259 | PROGRAMMING METHODOLOGIES | W | 0.0 | 0.0 | 0.0 |
| MATH 200 | CALCULUS I | A | 5.0 | 5.0 | 20.0 |
| MATH 207 | COMPUTER CALCULUS | B | 1.0 | 1.0 | 3.0 |
| Semester Totals | GPA: 3.417 | | 12.0 | 12.0 | 41.0 |
| * * DEANS' LIST * * | | | | | |
| FALL 1990 | BASIC_STU/Basic Curriculum | | | | |
| CMPS 151 | COMPUTER LITERACY | A | 3.0 | 3.0 | 12.0 |
| COMM 311 | ADV PUBLIC SPEAKING | W | 0.0 | 0.0 | 0.0 |
| LS 102 | BIBLIOGRAPHY | B | 1.0 | 1.0 | 3.0 |
| THEA 234 | INTRO TO ACTING | A | 3.0 | 3.0 | 12.0 |
| COMM 122 | VOICE DICTION | B | 3.0 | 3.0 | 9.0 |
| MATH 201 | CALCULUS II | B | 5.0 | 5.0 | 15.0 |
| Semester Totals | GPA: 3.400 | | 15.0 | 15.0 | 51.0 |
| * * DEANS' LIST * * | | | | | |
| SPRING 1991 | BASIC_STU/Basic Curriculum | | | | |
| ENGL 102A | FRESHMAN COMP | W | 0.0 | 0.0 | 0.0 |
| MATH 312 | CALCULUS III | W | 0.0 | 0.0 | 0.0 |
| THEA 335 | ADVANCED ACTING | W | 0.0 | 0.0 | 0.0 |
| MATH 223H | FOUNDA OF DISCRETE MATH | W | 0.0 | 0.0 | 0.0 |
| CMPS 395 | SPECIAL PROBLEMS | W | 0.0 | 0.0 | 0.0 |
| Semester Totals | GPA: 0.000 | | 0.0 | 0.0 | 0.0 |
| * * GOOD * * | | | | | |
| FALL 1991 | BASIC_STU/Basic Curriculum | | | | |
| CHEM 101 | GEN CHEMISTRY | C | 3.0 | 3.0 | 6.0 |
| CLAB 103 | GEN CHEM LAB | F | 1.0 | 0.0 | 0.0 |
| ENGL 102A | FRESHMAN COMP | F | 3.0 | 0.0 | 0.0 |
| HIST 202 | UNITED STATES HISTORY | W | 0.0 | 0.0 | 0.0 |
| MATH 417 | MATH STATISTICS | W | 0.0 | 0.0 | 0.0 |
| Semester Totals | GPA: 0.857 | | 7.0 | 3.0 | 6.0 |
| * * GOOD * * | | | | | |
| SPRING 1993 | BASIC_STU/Basic Curriculum | | | | |
| ART 111 | BASIC DRAWING | A | 3.0 | 3.0 | 12.0 |
| CMPS 161 | INTRO COMPUTING | C | 3.0 | 3.0 | 6.0 |
| HIST 202 | UNITED STATES HISTORY | C | 3.0 | 3.0 | 6.0 |
| ENGL 102A | FRESHMAN COMP | C | 3.0 | 3.0 | 6.0 |
| Semester Totals | GPA: 2.500 | | 12.0 | 12.0 | 30.0 |
| * * GOOD * * | | | | | |
| FALL 1993 | BASIC_STU/Basic Curriculum | | | | |
| CMPS 270 | FUNDAMENTALS OF CS II | D | 4.0 | 4.0 | 4.0 |
| MATH 201 | CALCULUS II | AU | 0.0 | 0.0 | 0.0 |
| MATH 223 | FOUNDA OF DISCRETE MATH | C | 3.0 | 3.0 | 6.0 |
| MATH 401 | DIFF EQUATIONS I | F | 3.0 | 0.0 | 0.0 |
| PHYS 221 | GEN PHYSICS | D | 3.0 | 3.0 | 3.0 |
| PLAB 223 | GEN PHYS LAB | B | 1.0 | 1.0 | 3.0 |
| Semester Totals | GPA: 1.143 | | 14.0 | 11.0 | 16.0 |
| * * GOOD * * | | | | | |

UNOFFICIAL LIST of ACADEMIC WORK

Run Date: 02/16/2017 Page: 2

| Course | Title | GR | HrA | HrE | Q-Pts | |
|---|---|---|---|---|---|---|
| SPRING 1994 BASIC_STU/Basic Curriculum | | | | | | |
| CLAB 103 | GEN CHEM LAB | F | 1.0 | 0.0 | 0.0 | R |
| CMPS 270 | FUNDAMENTALS OF CS II | F | 4.0 | 0.0 | 0.0 | |
| MATH 312 | CALCULUS III | F | 3.0 | 0.0 | 0.0 | |
| HLTH 251 | HUMAN SEXUALITY | D | 3.0 | 3.0 | 3.0 | |
| THEA 335 | ADVANCED ACTING | A | 3.0 | 3.0 | 12.0 | |
| Semester Totals | GPA: 1.071 | | 14.0 | 6.0 | 15.0 | |
| * * GOOD * * | | | | | | |
| FALL 1994 BASIC_STU/Basic Curriculum | | | | | | |
| ACCT 211 | ACCOUNT PRIN | F | 3.0 | 0.0 | 0.0 | |
| COMM 211 | INTRO PUBLIC SPEAKING | NC | 0.0 | 0.0 | 0.0 | |
| MGMT 261 | BUSINESS STATISTICS | F | 3.0 | 0.0 | 0.0 | R |
| SOC 101 | INTRO SOCIOLOGY | NC | 0.0 | 0.0 | 0.0 | |
| Semester Totals | GPA: 0.000 | | 6.0 | 0.0 | 0.0 | |
| * * GOOD * * | | | | | | |
| SPRING 1995 BASIC_STU/Basic Curriculum | | | | | | |
| CHEM 102 | GEN CHEMISTRY | F | 3.0 | 0.0 | 0.0 | R |
| MGMT 261 | BUSINESS STATISTICS | C | 3.0 | 3.0 | 6.0 | |
| Semester Totals | GPA: 1.000 | | 6.0 | 3.0 | 6.0 | |
| * * GOOD * * | | | | | | |
| SPRING 2001 BUSINESS/Industrial Technology | | | | | | |
| OSH 115 | INTRO TO SAFETY & HEALTH | A | 3.0 | 3.0 | 12.0 | |
| Semester Totals | GPA: 4.000 | | 3.0 | 3.0 | 12.0 | |
| * * GOOD * * | | | | | | |
| SUMMER 2001 BUSINESS/Industrial Technology | | | | | | |
| OSH 125 | ENVIRONMENTAL SFTY & HLTH | A | 3.0 | 3.0 | 12.0 | |
| Semester Totals | GPA: 4.000 | | 3.0 | 3.0 | 12.0 | |
| * * GOOD * * | | | | | | |
| FALL 2001 BUSINESS/Industrial Technology | | | | | | |
| OSH 120 | SAFETY & HEALTH PROG MGMT | W | 0.0 | 0.0 | 0.0 | |
| OSH 122 | INDUSTRIAL HYGIENE | W | 0.0 | 0.0 | 0.0 | |
| Semester Totals | GPA: 0.000 | | 0.0 | 0.0 | 0.0 | |
| * * GOOD * * | | | | | | |
| SPRING 2011 SCI_TECH/Occ. Safety,Health,Environment | | | | | | |
| OSHE 121 | SAFTY & HLTH PROG MGMT/AD | A | 3.0 | 3.0 | 12.0 | |
| Semester Totals | GPA: 4.000 | | 3.0 | 3.0 | 12.0 | |
| * * GOOD * * | | | | | | |
| FALL 2011 SCI_TECH/Occ. Safety,Health,Environment | | | | | | |
| OSHE 112 | DESIGN OF HAZARD CONTROLS | A | 3.0 | 3.0 | 12.0 | |
| OSHE 141 | INDUSTRIAL HYGIENE TOXICO | A | 3.0 | 3.0 | 12.0 | |
| CMPS 173 | SOFTWARE FOR MGMT DATA | P | 0.0 | 3.0 | 0.0 | M |
| Semester Totals | GPA: 4.000 | | 6.0 | 9.0 | 24.0 | |
| * * GOOD * * | | | | | | |
| SPRING 2012 SCI_TECH/Industrial Technology | | | | | | |
| MATH 241 | ELEM STATISTICS | A | 3.0 | 3.0 | 12.0 | |
| BIOL 152 | GENERAL BIOL LAB I | A | 1.0 | 1.0 | 4.0 | |
| GBIO 151 | GENERAL BIOL I | B | 3.0 | 3.0 | 9.0 | |
| Semester Totals | GPA: 3.571 | | 7.0 | 7.0 | 25.0 | |
| * * GOOD * * | | | | | | |
| FALL 2012 SCI_TECH/Industrial Technology | | | | | | |
| OSHE 231 | SFTY LAWS REGS & STNDRDS | A | 3.0 | 3.0 | 12.0 | |
| PSYC 101 | GEN PSYCHOLOGY I | B | 3.0 | 3.0 | 9.0 | |
| Semester Totals | GPA: 3.500 | | 6.0 | 6.0 | 21.0 | |
| * * GOOD * * | | | | | | |

| Course | Title | GR | HrA | HrE | Q-Pts |
|---|---|---|---|---|---|
| SUMMER 2013 SCI_TECH/Industrial Technology | | | | | |
| OSHE 382 | CONSTRUCTION SAFETY | A | 3.0 | 3.0 | 12.0 |
| Semester Totals | GPA: 4.000 | | 3.0 | 3.0 | 12.0 |
| * * GOOD * * | | | | | |
| FALL 2013 SCI_TECH/Industrial Technology | | | | | |
| OSHE 381 | SFTY IN CHEM/PROCESS IND | A | 3.0 | 3.0 | 12.0 |
| ENGL 231 | ENGLISH LIT | A | 3.0 | 3.0 | 12.0 |
| Semester Totals | GPA: 4.000 | | 6.0 | 6.0 | 24.0 |
| * * GOOD * * | | | | | |
| SPRING 2014 SCI_TECH/Industrial Technology | | | | | |
| OSHE 242 | ERGONOMICS | B | 3.0 | 3.0 | 9.0 |
| OSHE 261 | FIRE PROTECTION & PREVENT | A | 3.0 | 3.0 | 12.0 |
| Semester Totals | GPA: 3.500 | | 6.0 | 6.0 | 21.0 |
| * * GOOD * * | | | | | |
| FALL 2014 SCI_TECH/Occ. Safety,Health,Environment | | | | | |
| ENGL 322 | INTRO TO PROF/TECH WRITIN | A | 3.0 | 3.0 | 12.0 |
| CLAB 103 | GEN CHEM LAB I | B | 1.0 | 1.0 | 3.0 |
| OSHE 452 | POLLUTION FUNDAMENTALS TE | A | 3.0 | 3.0 | 12.0 |
| Semester Totals | GPA: 3.857 | | 7.0 | 7.0 | 27.0 |
| * * GOOD * * | | | | | |
| SPRING 2015 SCI_TECH/Industrial Technology | | | | | |
| OSHE 322 | BEHAVIOR ASPECTS OF SAFTE | A | 3.0 | 3.0 | 12.0 |
| OSHE 451 | HAZARDOUS MATERIALS MANAG | A | 3.0 | 3.0 | 12.0 |
| Semester Totals | GPA: 4.000 | | 6.0 | 6.0 | 24.0 |
| * * GOOD * * | | | | | |
| FALL 2015 SCI_TECH/Industrial Technology | | | | | |
| CHEM 102 | GEN CHEMISTRY II | A | 3.0 | 3.0 | 12.0 |
| CLAB 104 | GEN CHEM LAB II | A | 1.0 | 1.0 | 4.0 |
| OSHE 424 | SYSTEM SAFTY METHODOLOGIE | A | 3.0 | 3.0 | 12.0 |
| Semester Totals | GPA: 4.000 | | 7.0 | 7.0 | 28.0 |
| * * GOOD * * | | | | | |
| SPRING 2016 SCI_TECH/Industrial Technology | | | | | |
| OSHE 341 | FIELD METHODS IND HYGIENE | A | 3.0 | 3.0 | 12.0 |
| MGMT 351 | PRINCIPLES OF MANAGEMENT | A | 3.0 | 3.0 | 12.0 |
| Semester Totals | GPA: 4.000 | | 6.0 | 6.0 | 24.0 |
| * * GOOD * * | | | | | |
| FALL 2016 SCI_TECH/Occ. Safety,Health,Environment | | | | | |
| OSHE 471 | ED & TRNG METHODS SAFTY | A | 3.0 | 3.0 | 12.0 |
| CHEM 261 | SVY ORG CHEM | A | 3.0 | 3.0 | 12.0 |
| ZOO 241 | HUMAN PHYSIOLOGY | A | 4.0 | 4.0 | 16.0 |
| Semester Totals | GPA: 4.000 | | 10.0 | 10.0 | 40.0 |
| * * GOOD * * | | | | | |

Semester of Flood Disaster

| SPRING 2017 SCI_TECH/Occ. Safety,Health,Environment | | | | | |
|---|---|---|---|---|---|
| OSHE 421 | SFTY PERFOR ACC INVEST AN | 0.0 | 0.0 | 0.0 | |
| ECON 201 | PRIN ECONOMICS-MACRO | 0.0 | 0.0 | 0.0 | |
| IT 391 | INDUST INTERNSHIP | 0.0 | 0.0 | 0.0 | |
| Semester Totals | GPA: 0.000 | 0.0 | 0.0 | 0.0 | |
| ---- NO SUMMARY DATA CALC ---- | | | | | |

| | | | | |
|---|---|---|---|---|
| Cumulative Totals | GPA: 2.649 | 231.00 | 202.00 | 612.0 |
| SLU Totals | GPA: 2.721 | 197.0 | 174.0 | 536.0 |
| Transfer Totals | GPA: 2.235 | 34.00 | 28.00 | 76.0 |

Student is Eligible to Return

*** END OF TRANSCRIPT ***

UNOFFICIAL LIST of ACADEMIC WORK

Run Date: 02/16/2017 Page: 1

Substitutions:

| | | | |
|---|---|---|---|
| CHEM 121 | for | CHEM 101 | 09/16/2015 |
| CHEM 122 | for | CHEM 102 | 09/16/2015 |
| CLAB 123 | for | CLAB 103 | 09/16/2015 |
| FCS 251 | for | FCS 342 | 09/16/2015 |
| MATH AAA | for | MATH 162 | 09/16/2015 |
| MATH 165 | for | MATH 161 | 09/16/2015 |
| ZOO 250 | for | ZOO 241 | 09/16/2015 |
| ZOOL 252 | for | ZOO 241 | 09/16/2015 |

Transfer Credit Accepted:

| School | | Location | | Dates | HRS |
|---|---|---|---|---|---|
| Nicholls State University | | Thibodaux LA | | 08/08-08/12 | 3.00 |
| ENGL 101 | ENGL 101 | B | 3.00 | | |
| University of LA-Lafayette | | Lafayette LA | | 09/08-09/12 | 15.00 |
| GBIO 106 | BIOL 121 | A | 3.00 | | |
| XXX XXX | CHEE 101 | A | 1.00 | | |
| CHEM 121 | CHEM 107 | C | 3.00 | | |
| ENGL 102 | ENGL 102 | B | 3.00 | | |
| MATH 165 | MATH 140 | C | 5.00 | | |
| | | | | 10/01-10/05 | 13.00 |
| CHEM 122 | CHEM 108 | B | 3.00 | | |
| HIST 102 | HIST 102 | A | 3.00 | | |
| MATH AAA | MATH 270 | C | 4.00 | | |
| MUS 151 | MUS 300 | A | 3.00 | | |
| | | | | 10/08-10/12 | 9.00 |
| XXXX AAA | CHEE 201 | D | 4.00 | | |
| CHEM 251 | CHEM 221 | C | 3.00 | | |
| KIN XXX | KNEA 200 | A | 2.00 | | |
| MATH BBB | MATH 301 | F | 4.00 | | |
| | | | | 11/01-11/05 | 15.00 |
| ENGL 232 | ENGL 206 | A | 3.00 | | |
| XXXX BBB | ENGR 210 | B | 2.00 | | |
| KINL 113 | KNEA 166 | A | 2.00 | | |
| KINL XXX | KNEA 275 | A | 2.00 | | |
| PSYC 101 | PSYC 110 | A | 3.00 | | |
| ART 105 | VIAR 121 | B | 3.00 | | |

HONORS and OTHER INFORMATION:
English Proficiency Demonstrated
Mathematics Proficiency Demonstrated

| Course | Title | GR | HrA | HrE | Q-Pts |
|---|---|---|---|---|---|
| FALL 2011 | SCI_TECH/Chemistry | | | | |
| POLI 201 | AMERICAN POLITICS | C | 3.0 | 3.0 | 6.0 |
| MATH 200 | CALCULUS I | D | 5.0 | 5.0 | 5.0 |
| CHEM 265 | GEN ORGANIC CHEM I | W | 0.0 | 0.0 | 0.0 |
| CLAB 123 | GEN CHEM LAB I SCI MAJORS | B | 1.0 | 1.0 | 3.0 |
| Semester Totals | GPA: 1.556 | | 9.0 | 9.0 | 14.0 |
| * * GOOD * * | | | | | |
| SPRING 2012 | NURSING/Nursing | | | | |
| CPL 304 | FROM COLLEGE TO EMPLOYMEN | A | 3.0 | 3.0 | 12.0 |
| SOC 101 | INTRO SOCIOLOGY | A | 3.0 | 3.0 | 12.0 |
| HS 131 | EMERG HLTH CARE | A | 2.0 | 2.0 | 8.0 |
| BIOL 152 | GENERAL BIOL LAB I | A | 1.0 | 1.0 | 4.0 |
| GBIO 151 | GENERAL BIOL I | A | 3.0 | 3.0 | 12.0 |
| MATH 241 | ELEM STATISTICS | A | 3.0 | 3.0 | 12.0 |
| LS 102 | INTRO TO INFO RESEARCH | C | 1.0 | 1.0 | 2.0 |
| Semester Totals | GPA: 3.875 | | 16.0 | 16.0 | 62.0 |
| * * GOOD * * | President's List | | | | |

| Course | Title | GR | HrA | HrE | Q-Pts |
|---|---|---|---|---|---|
| FALL 2012 | NURSING/Nursing | | | | |
| MIC 223 | MEDICAL MICROBIOLOGY | A | 3.0 | 3.0 | 12.0 |
| MICL 224 | MEDICAL MICRO LAB | A | 1.0 | 1.0 | 4.0 |
| ZOO 250 | ANAT/PHYS LEC I | A | 3.0 | 3.0 | 12.0 |
| COMM 211 | INTRO PUBLIC SPEAKING | A | 3.0 | 3.0 | 12.0 |
| PSYC 204 | DEVLOPMNTL PSYC | A | 3.0 | 3.0 | 12.0 |
| Semester Totals | GPA: 4.000 | | 13.0 | 13.0 | 52.0 |
| * * GOOD * * | President's List | | | | |
| SPRING 2013 | NURSING/Kinesiology | | | | |
| ZOOL 252 | ANAT/PHYS LAB I | C | 1.0 | 1.0 | 2.0 |
| FCS 251 | NUTRITION & DIET THERAPY | B | 3.0 | 3.0 | 9.0 |
| PHYS 191 | GEN PHYSICS | C | 3.0 | 3.0 | 6.0 |
| CHEM 261 | SVY ORG CHEM | C | 3.0 | 3.0 | 6.0 |
| CLAB 124 | GEN CHEM LAB II/SCI MAJOR | W | 0.0 | 0.0 | 0.0 |
| CHEM 121 | GEN CHEM I FOR SCI MAJORS | C | 3.0 | 3.0 | 6.0 |
| Semester Totals | GPA: 2.231 | | 13.0 | 13.0 | 29.0 |
| * * GOOD * * | | | | | |
| SUMMER 2013 | NURSING/Kinesiology | | | | |
| HS 133 | HLTH LIFESTYLES FOR THE 2 | W | 0.0 | 0.0 | 0.0 |
| FCS 342 | NUTRITION | W | 0.0 | 0.0 | 0.0 |
| Semester Totals | GPA: 0.000 | | 0.0 | 0.0 | 0.0 |
| * * GOOD * * | | | | | |
| FALL 2013 | NURSING/Kinesiology | | | | |
| ZOO 251 | HUMAN ANAT/PHYS LEC II | B | 3.0 | 3.0 | 9.0 |
| ZOOL 253 | ANAT/PHYS LAB II | A | 1.0 | 1.0 | 4.0 |
| FCS 421 | WEIGHT MGMT PRINCIPLES | W | 0.0 | 0.0 | 0.0 |
| KIN 191 | INTRO TO PE | A | 1.0 | 1.0 | 4.0 |
| KIN 372 | BIOMECHANICS | A | 3.0 | 3.0 | 12.0 |
| PLAB 193 | GEN PHYSICS LAB | B | 1.0 | 1.0 | 3.0 |
| ENGL 322 | INTRO TO PROF/TECH WRITIN | B | 3.0 | 3.0 | 9.0 |
| Semester Totals | GPA: 3.417 | | 12.0 | 12.0 | 41.0 |
| * * GOOD * * | Dean's List | | | | |
| SPRING 2014 | NURSING/Kinesiology | | | | |
| KIN 275 | ANATOMY & KINESIOLOGY | A | 3.0 | 3.0 | 12.0 |
| KIN 321 | MOTOR LEARNING | A | 3.0 | 3.0 | 12.0 |
| KIN 392 | PHYSIOLOGY OF EXERCISE | B | 3.0 | 3.0 | 9.0 |
| FCS 411 | DIET THERAPY | A | 3.0 | 3.0 | 12.0 |
| Semester Totals | GPA: 3.750 | | 12.0 | 12.0 | 45.0 |
| * * GOOD * * | President's List | | | | |
| FALL 2014 | NURSING/Kinesiology | | | | |
| PHYS 192 | GEN PHYSICS | D | 3.0 | 3.0 | 3.0 |
| PLAB 194 | GEN PHYS LAB | B | 1.0 | 1.0 | 3.0 |
| CLAB 124 | GEN CHEM LAB II/SCI MAJOR | W | 0.0 | 0.0 | 0.0 |
| HS 133 | HLTH LIFESTYLES FOR THE 2 | A | 3.0 | 3.0 | 12.0 |
| KIN 424 | FITNESS TESTING-PRESCRIP | B | 3.0 | 3.0 | 9.0 |
| KINL 113 | WEIGHTLIFTING | NC | 0.0 | 0.0 | 0.0 |
| Semester Totals | GPA: 2.700 | | 10.0 | 10.0 | 27.0 |
| * * GOOD * * | | | | | |
| SPRING 2015 | SCI_TECH/Occ. Safety,Health,Environment | | | | |
| OSHE 111 | INTRO OCCU SAFETY, HLTH, | C | 3.0 | 3.0 | 6.0 |
| OSHE 112 | DESIGN OF HAZARD CONTROLS | B | 3.0 | 3.0 | 9.0 |
| OSHE 121 | SAFTY & HLTH PROG MGMT/AD | B | 3.0 | 3.0 | 9.0 |
| OSHE 141 | INDUSTRIAL HYGIENE TOXICO | C | 3.0 | 3.0 | 6.0 |
| ECON 201 | PRIN ECONOMICS-MACRO | A | 3.0 | 3.0 | 12.0 |
| Semester Totals | GPA: 2.800 | | 15.0 | 15.0 | 42.0 |
| * * GOOD * * | | | | | |

| Course | Title | GR | HrA | HrE | Q-Pts |
|---|---|---|---|---|---|
| FALL 2015 | SCI_TECH/Occ. Safety,Health,Environment | | | | |
| OSHE 231 | SFTY LAWS REGS & STNDRDS | B | 3.0 | 3.0 | 9.0 |
| OSHE 251 | ENVIRONMENTAL LAW & REGUL | B | 3.0 | 3.0 | 9.0 |
| OSHE 381 | SFTY IN CHEM/PROCESS IND | A | 3.0 | 3.0 | 12.0 |
| OSHE 424 | SYSTEM SAFTY METHODOLOGIE | A | 3.0 | 3.0 | 12.0 |
| Semester Totals | GPA: 3.500 | | 12.0 | 12.0 | 42.0 |
| * * GOOD * * | President's List | | | | |
| SPRING 2016 | SCI_TECH/Occ. Safety,Health,Environment | | | | |
| OSHE 261 | FIRE PROTECTION & PREVENT | A | 3.0 | 3.0 | 12.0 |
| OSHE 382 | CONSTRUCTION SAFETY | B | 3.0 | 3.0 | 9.0 |
| OSHE 421 | SFTY PERFOR ACC INVEST AN | B | 3.0 | 3.0 | 9.0 |
| OSHE 452 | POLLUTION FUNDAMENTALS TE | F | 3.0 | 0.0 | 0.0 |
| Semester Totals | GPA: 2.500 | | 12.0 | 9.0 | 30.0 |
| * * GOOD * * | | | | | |
| FALL 2016 | SCI_TECH/Occ. Safety,Health,Environment | | | | |
| OSHE 242 | ERGONOMICS | B | 3.0 | 3.0 | 9.0 |
| OSHE 341 | FIELD METHODS IND HYGIENE | A | 3.0 | 3.0 | 12.0 |
| OSHE 452 | POLLUTION FUNDAMENTALS TE | W | 0.0 | 0.0 | 0.0 |
| CLAB 104 | GEN CHEM LAB II | B | 1.0 | 1.0 | 3.0 |
| MGMT 351 | PRINCIPLES OF MANAGEMENT | W | 0.0 | 0.0 | 0.0 |
| Semester Totals | GPA: 3.429 | | 7.0 | 7.0 | 24.0 |
| * * GOOD * * | | | | | |
| Semester of Flood Disaster | | | | | |
| SPRING 2017 | SCI_TECH/Occ. Safety,Health,Environment | | | | |
| OSHE 451 | HAZARDOUS MATERIALS MANAG | | 0.0 | 0.0 | 0.0 |
| MGMT 351 | PRINCIPLES OF MANAGEMENT | | 0.0 | 0.0 | 0.0 |
| IT 391 | INDUST INTERNSHIP | | 0.0 | 0.0 | 0.0 |
| Semester Totals | GPA: 0.000 | | 0.0 | 0.0 | 0.0 |
| ---- NO SUMMARY DATA CALC ---- | | | | | |
| Cumulative Totals | GPA: 3.011 | | 190.00 | 183.00 | 572.0 |
| SLU Totals | GPA: 3.115 | | 131.0 | 128.0 | 408.0 |
| Transfer Totals | GPA: 2.780 | | 59.00 | 55.00 | 164.0 |

Student is Eligible to Return

*** END OF TRANSCRIPT ***

## Appendix F

## Advertisement for OSH&E Tenure-Track Assistant Professor Position

Close Window

**Posting Details**

| | |
|---|---|
| Posting Number: | 0606740 |
| Number of Positions: | 1 |
| Official Job Code Title: | Assistant Professor |
| Business Title: | Assistant/Associate Professor |
| Department: | Computer Sci & Industrial Tech |
| Department's Role, Scope, and Mission: | |
| Job Summary: | The Department of Computer Science and Industrial Technology invites applications for a full-time tenure-track Assistant/Associate Professor position starting Fall 2017. Duties include the ability to teach a variety of Occupational Safety, Health and Environment courses at all levels and conduct research in OSH&E, and effective communication and interpersonal skills to coordinate mutual activities with industry, professional, and government agencies. We are seeking a candidate who is knowledgeable about the program outcome assessment to ensure the continuous improvement of OSH&E Bachelor of Science degree program, which is accredited by the Accreditation Board for Engineering and Technology (ABET) Applied Science Accreditation Commission. |
| Required Education: | Have earned a Ph.D./Doctorate in Occupational Safety, Health, and Environment or related fields by the hire date.<br><br>or<br><br>Have earned a terminal degree in engineering, sciences, public health, or education may be acceptable if applicant has other applicable commensurate work experience and professional certifications (CSP or CIH required) in the above-mentioned disciplines of priority by the hire date. |
| Required Experience: | |
| Desired Qualifications | We are particularly interested in Occupational Safety, Industrial Hygiene, Ergonomics, Environmental Health, and Loss Control. Candidates whose qualifications cover more than one of these specific areas preferred. |
| Required Skills and Abilities: | Applicants are expected to have a strong commitment to teaching. Applicants must be committed to working with diversity. |
| Civil Service Test Requirements | |
| Civil Service Job Specification | |
| Other Requirements: | |
| Environmental Factors | |
| Types of Physical Demands: | |
| Salary Range: | Salary is commensurate with experience and qualifications. |

| | |
|---|---|
| Work Hours: | |
| Job Type: | Unclassified |
| Position Type: | Faculty |
| Full-time or Part-time: | Full-time |
| FLSA: | Exempt |
| Pay Level: | |
| Special Instructions to Applicants: | To ensure consideration, application materials must be received by April 3, 2017. Please submit a letter of application, a current resume, names and contact information of at least three references, a statement of teaching experience and philosophy, a statement discussing research interests, and copies of all transcripts (originals required upon employment). Review of applications will begin immediately and continue until the position is filled. Question about this position should be directed to the search committee chair: Dr. Lu Yuan at Lu.Yuan@southeastern.edu. |
| Posting Date: | 03-03-2017 |
| Closing Date: | 04-03-2017 |

Close Window

***Southeastern Louisiana University is an AA/ADA/EEO employer. Southeastern recruits, selects, employs and promotes without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, political affiliation, age, disability, veteran status, or genetic information in its admission and recruitment of students, educational programs, and activities, or employment policies.***

For additional support, please visit http://peopleadminsupport.com/5-8/

## Appendix G

## Equipment Requested for Purchase for the New Building

| Industrial Hygiene | Qty | Price per Unit | Total Cost |
|---|---|---|---|
| Particulate Concentration Monitors for Plant Safety, P-Trak® 8525 Ultrafine Particle Counter, catalogue number 8525 | 1 | $5,805 | $5,805 |
| VelociCalc™ 5725 Rotating Vane Anemometer, catalogue number 5725 | 3 | $835.00 | $2,505.00 |
| IAQ-Calc™ 7500 Series Indoor Air Quality Meters, IAQ-Calc meter, CO2, CO, temperature, humidity, datalogging catalogue number 7545 | 2 | $2,245 | $4,490.00 |
| VelociCalc™ 9500 Series Ventilation Meters, Datalogging meter, articulated probe, velocity, temp., humidity, catalogue number 9545-A | 2 | $1,485 | $2,970.00 |
| PhoCheck Tiger Photoionization Detector (PID) for VOCs, PhoCheck Tiger PID with 10.6 eV lamp catalogue number TXSLBME-0000 | 2 | $3,895 | $7,790 |
| VelociCalc® 9555 Multi-Function, ventilation meter - VelociCalc ventilation meter, pressure, datalogging, 966 probe catalogue number 9565-A | 1 | $2,410 | $2,410 |
| Drager CMS  Emergency Response Kit, Model/Part Number 405-5711, included in this are chips for various airborne contaminants | 1 | $4,300 | $4,300 |
| Bellows Pumps, Model/part# 6400000 | 4 | $427 | $1,708 |
| Draeger X-AM 5600 IR Dual LEL.CO2/O2/H2S/CCO, Model#4542121, with datalogging | 1 | $3,262 | $3,262 |
| Gas Cylinder Regulators | 1 | $578 | $578 |
| Calibration Gas Cylinders | 1 | $312 | $312 |
| Portable Flowmeter Kit, 5 to 500 ml/min | 1 | $372 | $372 |
| Rotameter, 0.3 to 3.4 L/min, Model Cat. No. 393-0334 | 2 | $180 | $360 |
| Rotameter, 1 to 13 L/min, Model Cat. No. 393-1130 | 2 | $180 | $360 |
| Rotameter, 3 to 30 L/min, Model, Cat. No. 320-530 | 2 | $180 | $360 |
| Rotameter, 4 to 50 L/min, Model, Cat. No. 320-440 | 2 | $180 | $360 |
| 3M QUESTemp 32 Heat Stress Monitor with NiMH battery, Cat. No. 755-53908 | 1 | $1,942 | $1,942 |
| EXTECH Heavy-duty Light (Lux) Meter, with NIST Certificate, Cat. No. 753-003C | 2 | $325 | $650 |
| Fluke 922 Airflow Meter / Micromanometer | 2 | $699 | $1,398 |
| GCA-07W Professional Geiger Counter Nuclear Radiation Detection Monitor with Digital Meter and External Wand Probe - NRC Certification Ready- 0.001 mR/hr Resolution -- 1000 mR/hr Range | 1 | $440 | $440 |
| JAINCO Colony Counter, Digital | 2 | $113 | $226 |
| PORTACOUNT RESPIRATOR FIT TESTER 8038 | 2 | $9,299 | $18,598 |
| MicroFID II Advanced Portable Flame Ionization Detector, MicroFID II flame ionization detector catalogue nu | 1 | $11,495 | $11,495 |
| Met One Instruments 804 4-Channel Portable Particle Counter | 1 | $1,400 | $1,400 |
| Casella Cel-240 Digital sound level meter | 1 | $433 | $433 |
| Respirator Adapter Kits and Accessories | 2 | $1,000 | $2,000 |
| TSI Alnor Anemometer with Humidity | 1 | $2,222 | $2,222 |
| TSI Alnor Particle Counter | 1 | $4,006 | $4,006 |
| Portagas Gas Regulator | 1 | $200 | $200 |
| Detector Geiger Counter | 1 | $1,095 | $1,095 |
| Flame Ionization Detector (FID) | 2 | $2,255 | $4,510 |
| | | | |
| Ergonomics | | | |
| Rosscraft Centurion Kit - Precise Anthropometric Measuring Tools | 1 | $1,539 | $1,539 |
| | | | |
| Total | | | $90,096 |