



MEMORANDUM

TO: Faculty Senate

FROM: Jack Kirby *JRK*

DATE: March 8, 2017

SUBJECT: Curriculum Proposal #16-17-15, REV #1
Occupational Safety

I recommend approval of the attached REVISION #1 of Curriculum Proposal 16-17-15. This proposal seeks to update the requirements and electives for the Occupational Safety (B.S.) and Safety Engineering Technology (A.S.) programs.

Dr. Christina Lavorata
Dr. Don Trisel
Dr. Anthony Yost
Ms. Leslie Lovett
Ms. Laura Ransom
Dr. Shayne Gervais



MEMORANDUM

TO: Curriculum Committee

FROM: Jack Kirby *JK*

DATE: February 17, 2017

SUBJECT: Curriculum Proposal #16-17-15
Occupational Safety

I recommend approval of the attached Curriculum Proposal 16-17-15. This proposal seeks to update the requirements and electives for the Occupational Safety (B.S.) and Safety Engineering Technology (A.S.) programs.

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CURRICULUM PROPOSAL (Submit one hard copy and an electronic copy to the Associate Provost by the second Tuesday of the month.)

Proposal Number: 16-17-15

School/Department/Program: Science & Technology/ Technology/ Occupational Safety

Preparer/Contact Person: Anthony Yost

Telephone Extension: 4633

Date Originally Submitted: February 17, 2017

**Revision (Indicate date and label it
Revision #1, #2, etc.):** Revision #1

Implementation Date Requested: 08/14/2017

- I. **PROPOSAL.** Write a brief abstract, not exceeding 100 words, which describes the overall content of the proposal.

Occupational Safety (B.S.) and Safety Engineering Technology (A.S.) used to require students to take BIOL 1170. This was changed to HLCA 1170 & 1171 when BIOL 1170 was no longer offered, and later changed to PHED 2211. With the creation of BIOL 1180 & 1181, this curriculum proposal seeks to require students to take BIOL 1180 & 1181. It also seeks to fix the catalog entry for SFTY 3310 which requires HLCA 1170/1171 as a prerequisite.

Also, Occupational Safety (B.S.) and Safety Engineering Technology (A.S.) currently require students to take PHED 1100. This is because PHED 1100 was used to fulfill G.S. Attribute 10 for the B.S. degree. SCIE 1100, which is a required course for the B.S. degree, fulfills this requirement. Therefore, this proposal seeks to replace PHED 1100 with a technical elective.

Being that the A.S. and B.S. degrees form a 2+2 curriculum, this proposal is intended to apply to both of them.

- II. **DESCRIPTION OF THE PROPOSAL.** Provide a response for each letter, A-H, and for each Roman Numeral II–V. If any section does not apply to your proposal, reply N/A.

- A. Deletion of course(s) or credit(s) from program(s)

PHED 1100
PHED 2211

Total hours deleted. 6

- B. Addition of course(s) or credit(s) from program(s)

Tech. Elec.
BIOL 1180 and 1181

Total hours added. 6

- C. Provision for interchangeable use of course(s) with program(s)

N/A

- D. Revision of course content. Include, as an appendix, a revised course description, written in complete sentences, suitable for use in the university catalog.

N/A

- E. Other changes to existing courses such as changes to title, course number, and elective or required status.

SFTY 3310: Ergonomics & Human Factors

Change in PR

- **Current:** SFTY 1100, CHEM 1102, MATH 1102, and HLCA 1170 w/ 1171.
- **Proposed:** SFTY 1100, CHEM 1102, MATH 1102, and BIOL 1170 w/1171.

- F. Creation of new course(s). For each new course

N/A

- G. Attach an itemized summary of the present program(s) affected, if any, and of the proposed change(s).

Describe how this proposal affects the hours needed to complete this program. Specifically, what is the net gain or loss in hours? Use the format for Current and Proposed Programs in Appendix A.

Please see Appendices A -1 and A-2 for the A.S. degree and Appendices B-1 and B-2 for the B.S. degree.

III. **RATIONALE FOR THE PROPOSAL.**

- A. **Quantitative Assessment:** Indicate the types of assessment data, i.e., surveys, interviews, capstone courses, projects, licensure exams, nationally-normed tests, locally developed measurements, accreditation reports, etc., that were collected and analyzed to determine that curricular changes were warranted. Quantitative data is preferred.

Please see explanation of curriculum proposal provided in Section I.

- B. **Qualitative Assessment:** Based upon the assessment data above, indicate why a curricular change is justified. Indicate the expected results of the change. Be sure to include an estimate of the increased cost, or reduction in cost of implementation. FOR EXAMPLE: Will new faculty, facilities, equipment, or library materials be required?

Please see explanation of curriculum proposal provided in Section I.

- IV. Should this proposal affect any course or program in another school, a memo must be sent to the Dean of each school impacted and a copy of the memo(s) must be included with this proposal. In addition, the Deans of the affected schools must sign below to indicate their notification of this proposal.

N/A

- V. Should this proposal affect any course to be added or deleted from the general studies requirements, a memo from the chair of the General Studies Committee indicating approval of the change must be included with this proposal.

N/A

- VI. **ADDITIONAL COMMENTS.**

APPENDIX A-1
A.S. Degree in Occupational Safety
Current Program

| Required Major Courses | HRS |
|--|-----------|
| CHEM 1101 | 4 |
| CHEM 1102 | 4 |
| COMM 2200 or 2201 or 2202 | 3 |
| ENGL 1101 | 3 |
| ENGL 1102 | 3 |
| MATH 1101 | 3 |
| MATH 1102 | 3 |
| PHED 1100 | 2 |
| <i>*PHED 2211*</i> | <i>4</i> |
| PHYS 1101 | 4 |
| SCIE 1100 | 4 |
| SFTY 1100 | 3 |
| SFTY 1150 | 3 |
| SFTY 2250 | 3 |
| SFTY 2280 | 3 |
| SFTY 2290 | 4 |
| SFTY 2291 | 4 |
| SFTY 3360 | 3 |
| | |
| | |
| | |
| TOTAL HOURS FOR MAJOR (and minor if required) | 60 |

APPENDIX B-1
 B.S. Degree in Occupational Safety
 Current Program

| Required Major Courses | HRS |
|---|-----------|
| BSBA 3306 | 3 |
| CHEM 1102 | 4 |
| MATH 1102 | 3 |
| MATH 1113 | 3 |
| MECH 1100 | 3 |
| <i>*PHED 2211*</i> | <i>4</i> |
| PHYS 1101 | 4 |
| PHYS 1102 | 4 |
| SCIE 1100 | 4 |
| SFTY 1100 | 3 |
| SFTY 1150 | 3 |
| SFTY 2250 | 3 |
| SFTY 2280 | 3 |
| SFTY 2290 | 4 |
| SFTY 2291 | 4 |
| SFTY 3300 | 4 |
| SFTY 3310 | 3 |
| SFTY 3355 | 3 |
| SFTY 3360 | 3 |
| SFTY 4400 | 3 |
| SFTY 4415 | 3 |
| SFTY 4420 | 3 |
| SFTY 4480 | 4 |
| <hr/> | |
| TOTAL Required Major Courses | 78 |
| Major Electives | 6 |
| Pick 2 of 23 Courses Listed in Current Catalog or Program Approval | |
| <hr/> | |
| Minor Requirements/Electives (if minor is required) | 0 |
| N/A | |
| <hr/> | |
| TOTAL HOURS FOR MAJOR (and minor if required) | 84 |

| Required General Studies Courses | | |
|---|---|------------|
| Attribute 1 – Critical Analysis | | 3 |
| | ENGL 1102 | |
| Attribute 2 – Quantitative Literacy | | 3 |
| | MATH 1101 | |
| Attribute 3 – Written Communication | | 3 |
| | ENGL 1101 | |
| Attribute 4 - Teamwork | | X |
| | <i>*SFTY 4480*</i> (Satisfied in Major) | |
| Attribute 5 – Information Literacy | | X |
| | ENGL 1102 | |
| Attribute 6 – Technology Literacy | | X |
| | SFTY 3300 (Satisfied in Major) | |
| Attribute 7 – Oral Communication | | 3 |
| | COMM 2202 (Preferred) or 2200 or 2201 | |
| Attribute 8 - Citizenship | | 3 |
| | Any Course Listed in Attribute 8 | |
| Attribute 9 - Ethics | | 3 |
| | MANF 2250 | |
| Attribute 10 - Health | | 2 |
| | <i>*PHED 1100*</i> | |
| Attribute 11 - Interdisciplinary | | X |
| | SFTY 4480 (Satisfied in Major) | |
| Attribute 12 - Arts | | 3 |
| | Any Course Listed in Attribute 12 | |
| Attribute 13 - Humanities | | 3 |
| | Any Course Listed in Attribute 13 | |
| Attribute 14 – Social Sciences | | 3 |
| | PSYC 1101 | |
| Attribute 15- Natural Science | | 4 |
| | CHEM 1101 | |
| Attribute 16 – Cultural Awareness | | 3 |
| | Any Course Listed in Attribute 16 | |
| TOTAL GENERAL STUDIES HOURS | | 36 |
| TOTAL FREE ELECTIVES | | 0 |
| TOTAL HOURS | | 120 |

APPENDIX B-2
 B.S. Degree in Occupational Safety
Proposed Program

| Required Major Courses | HRS |
|--|-------------|
| BSBA 3306 | 3 |
| CHEM 1102 | 4 |
| MANF 2250 | 3 |
| MATH 1102 | 3 |
| MATH 1113 | 3 |
| MECH 1100 | 3 |
| <i>*BIOL 1180&1181*</i> | <i>4</i> |
| PHYS 1101 | 4 |
| PHYS 1102 | 4 |
| SCIE 1100 | 4 |
| SFTY 1100 | 3 |
| SFTY 1150 | 3 |
| SFTY 2250 | 3 |
| SFTY 2280 | 3 |
| SFTY 2290 | 4 |
| SFTY 2291 | 4 |
| SFTY 3300 | 4 |
| SFTY 3310 | 3 |
| SFTY 3355 | 3 |
| SFTY 3360 | 3 |
| SFTY 4400 | 3 |
| SFTY 4415 | 3 |
| SFTY 4420 | 3 |
| SFTY 4480 | 4 |
| <hr/> | |
| TOTAL Required Major Courses | 81 |
| Major Electives | *8* |
| Pick <i>*3*</i> of 23 Courses Listed in Current Catalog or Program Approval | |
| <hr/> | |
| Minor Requirements/Electives (if minor is required) | 0 |
| N/A | |
| <hr/> | |
| TOTAL HOURS FOR MAJOR (and minor if required) | *89* |

| Required General Studies Courses | | |
|---|--|-------------|
| Attribute 1 – Critical Analysis | | 3 |
| | ENGL 1102 (University Requirement) | |
| Attribute 2 – Quantitative Literacy | | 3 |
| | MATH 1101(Prerequisite for MATH 1102) | |
| Attribute 3 – Written Communication | | 3 |
| | ENGL 1101(University Requirement) | |
| Attribute 4 - Teamwork | | X |
| | *SFTY 4480* (Satisfied in Major) | |
| Attribute 5 – Information Literacy | | X |
| | ENGL 1102 (Satisfied In Attribute 1) | |
| Attribute 6 – Technology Literacy | | X |
| | SFTY 3300 (Satisfied in Major) | |
| Attribute 7 – Oral Communication | | 3 |
| | Recommended: COMM 2202 (Preferred) or 2200 or 2201 | |
| Attribute 8 - Citizenship | | 3 |
| | Any Course Listed in Attribute 8 | |
| Attribute 9 - Ethics | | X |
| | MANF 2250 (Satisfied in Major) | |
| Attribute 10 - Health | | *X* |
| | *SCIE 1100* (Satisfied in Major) | |
| Attribute 11 - Interdisciplinary | | X |
| | SFTY 4480 (Satisfied in Major) | |
| Attribute 12 - Arts | | 3 |
| | Any Course Listed in Attribute 12 | |
| Attribute 13 - Humanities | | 3 |
| | Any Course Listed in Attribute 13 | |
| Attribute 14 – Social Sciences | | 3 |
| | Recommended: PSYC 1101 | |
| Attribute 15- Natural Science | | 4 |
| | CHEM 1101 (Prerequisite for CHEM 1102) | |
| Attribute 16 – Cultural Awareness | | 3 |
| | Any Course Listed in Attribute 16 | |
| TOTAL GENERAL STUDIES HOURS | | *31* |
| TOTAL FREE ELECTIVES | | 0 |
| TOTAL HOURS | | 120 |