Code # SM05 (2014) Rev

**Bulletin Change Transmittal Form**

[x]  **Undergraduate Curriculum Council** - Print 1 copy for signatures and save 1 electronic copy.

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| **Bulletin Change**Please attach a copy of all catalogue pages requiring editorial changes. |

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| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Department Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**COPE Chair (if applicable)** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Department Chair:**  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**General Education Committee Chair (If applicable)**   |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**College Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Undergraduate Curriculum Council Chair** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**College Dean** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Graduate Curriculum Committee Chair** |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Vice Chancellor for Academic Affairs** |

**1.Contact Person** (Name, Email Address, Phone Number)

David Gilmore, dgilmore@astate.edu, 972-3263

**2.Proposed Change**

Simplification of General Education Life Science offerings, from:

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| **Science:** *Eight (8) hours required*  | **Required Credit Hrs.**  |
| **Life Science - *Four (4) hours required*** BIO 2013 **AND** 2011, Biology of the Cell and Laboratory BIOL 1003 **AND** 1001, Biological Science and Laboratory BIOL 1033 **AND** 1001, Biology of Sex and Laboratory BIOL 1043 **AND** 1001, Plants & People and Laboratory BIOL 1063 **AND** 1001, People & Environment and Laboratory BIO 2103 **AND** 2101, Microbiology for Nursing and Allied Health and Laboratory **AND**  BIO 2203 **AND** 2201, Anatomy and Physiology I and Laboratory **OR**  BIO 2223 **AND** 2221, Anatomy and Physiology II and Laboratory  | 4  |

To:

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| **Science:** *Eight (8) hours required*  | **Required Credit Hrs.**  |
| **Life Science - *Four (4) hours required*** BIOL 1003 **AND** 1001, Biological Science and Laboratory BIOL 1033 **AND** 1001, Biology of Sex and Laboratory BIOL 1063 **AND** 1001, People & Environment and LaboratoryBIO 2013 **AND** 2011, Biology of the Cell and Laboratory BIO 2103 **AND** 2101, Microbiology for Nursing and Allied Health and LaboratoryBIO 2203 **AND** 2201, Anatomy and Physiology I and Laboratory | 4  |

**3.Effective Date**

Fall 2015

**4.Justification**

In an attempt to ensure that the general education curriculum consisted of broad survey courses and to accommodate the needs of NHP, a compromise has existed in which both a microbiology course and a human anatomy & physiology course were counted together as a satisfactory Gen Ed requirement. Due to programmatic changes with NHP as well as an inability to count two courses toward one Gen Ed requirement in the degree audit system, a simplification of the Gen Ed life science component is needed. In the new scheme, either BIO 2103 or BIO 2203 (with the corresponding lab) will fulfill this requirement. Additionally, the BIOL 1043 class no longer exists and therefore must be removed from the list of choices.

**From the most current electronic version of the bulletin, copy all bulletin pages that this proposal affects and paste it to the end of this proposal.**

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GENERAL EDUCATION CURRICULUM

**FOR BACCALAUREATE, ASSOCIATE OF ARTS AND ASSOCIATE OF SCIENCE DEGREES**

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| Communication: *Six (6) hours required* *Three (3) hours optional (see Departmental Option below)*  | Required Credit Hrs.  |
| COMS 1203, Oral Communication ENG 1003, Composition I (*required)* ENG 1013, Composition II (*required)*  | 6  |
| Math: *Three (3) hours required;* *MATH 1023 - College Algebra is a requirement for certain degrees which will not be satisfied by MATH 1043 - Quantitative Reasoning*  | Required Credit Hrs.  |
| MATH 1023, College Algebra MATH 1043, Quantitative Reasoning MATH 1054, Precalculus Mathematics  | 3  |
| Science: *Eight (8) hours required*  | Required Credit Hrs.  |
| Physical Science - *Four (4) hours required* CHEM 1013 AND 1011, General Chemistry I and Laboratory CHEM 1043 AND 1041, Fundamental Concepts of Chemistry and Laboratory GEOL 1003 AND 1001, Environmental Geology and Laboratory PHSC 1014, Energy and the Environment PHSC 1203 AND 1201, Physical Science and Laboratory PHYS 1103 AND 1101, Intro to Space Science and Laboratory PHYS 2034, University Physics I PHYS 2054, General Physics I  | 4  |
| Life Science - *Four (4) hours required* BIO 2013 AND 2011, Biology of the Cell and Laboratory BIOL 1003 AND 1001, Biological Science and Laboratory BIOL 1033 AND 1001, Biology of Sex and Laboratory ~~BIOL 1043 AND 1001, Plants & People and Laboratory~~ BIOL 1063 AND 1001, People & Environment and Laboratory BIO 2103 AND 2101, Microbiology for Nursing and Allied Health and Laboratory ~~AND~~ ORBIO 2203 AND 2201, Anatomy and Physiology I and Laboratory ~~OR~~ ~~BIO 2223 AND 2221, Anatomy and Physiology II and Laboratory~~  | 4  |
| Fine Arts & Humanities: *Six (6) hours required* *Three (3) hours optional (see Departmental Option below)*  | Required Credit Hrs.  |
| Fine Arts - *Three (3) hours required* ART 2503 Fine Arts – Visual MUS 2503 Fine Arts – Musical THEA 2503 Fine Arts - Theatre  | 3  |
| Humanities - *Three (3) hours required* ENG 2003, Introduction to World Literature I ENG 2013, Introduction to World Literature II PHIL 1103, Introduction to Philosophy  | 3  |
| Social Sciences: *Nine (9) hours required (One course must be selected from HIST 2763, HIST 2773 or POSC 2103)* *Three (3) hours optional (see Departmental Option below)*  | Required Credit Hrs.  |
| ANTH 2233, Introduction to Cultural Anthropology HIST 2763, United States History to 1876 CMAC 1003, Mass Communication HIST 2773, United States History since 1876 ECON 2313, Principles of Macroeconomics POSC 1003, Introduction to Politics ECON 2333, Economic Issues & Concepts POSC 2103, Introduction to US Government GEOG 2613, Introduction to Geography PSY 2013, Introduction to Psychology HIST 1013, World Civilization to 1660 SOC 2213, Introduction to Sociology HIST 1023, World Civilization since 1660  | 9  |
| Departmental Option: *Three (3) hours*  | Required Credit Hrs.  |
| *The three (3) optional hours are chosen by the Department for the Degree plan and not the individual student. The three (3) hours will be from either Communication, Fine Arts & Humanities, or Social Sciences.*  | 3  |
| Total Required Hours: Pg. 124**Bachelor of Applied Science\*** A complete 8-semester degree plan is available at http://registrar.astate.edu/.

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| **University Requirements:**  |
| Students interested in pursuing a Bachelor of Applied Science degree must schedule a personal in­terview with a BAS advisor. During this interview, the advisor will outline in detail the requirements for the BAS program. The advisor and the student will analyze the appropriateness of the degree given the student’s goals and career objectives, the degree’s requirements and the student’s academic progress to date. **The BAS program requires completion of the following program prerequisites:** 1. Associate of Applied Science (AAS) or other recognized technical-professional associate degree from an accredited institution. 2. Minimum GPA of 2.00 on all transfer work. 3. Completion of the ASU admission application process with acceptance. 4. Completion of the State Minimum General Education Core. 5. Completion of a total of 120 hours of which 45 hours are upper-level (3000-4000) 6. Minimum GPA of 2.00 on all coursework at ASU and a 2.00 average on all coursework pre­sented for graduation. ***\*The Bachelor of Applied Science degree program does not have a major.***  |
| **General Education Requirements:**  | **Sem. Hrs.**  |
| **Communication (9 hrs required)** COMS 1203, Oral Communications ENG 1003, Composition I (C or Better) ENG 1013, Composition II (C or Better)  | 9  |
| **Math (3 hours required)** MATH 1023, College Algebra (or higher level math course for which College Algebra is a prerequisite) MATH 1054, Precalculus Math  | 3  |
| **Science (8 hours required)** **Select one of the following combinations:** BIO 2013 **AND** 1021, Biology of the Cell and Laboratory BIO 2103 **AND** 2101, Microbiology for Nursing and Laboratory BIO 2203 **AND** 2201, Human Anatomy and Physiology I and Laboratory BIOL 1003 **AND** 1001, Biological Science and Laboratory BIOL 1033 **AND** 1001, Biology of Sex and Laboratory ~~BIOL 1043~~ **~~AND~~** ~~1001, Plants and People and Laboratory~~ BIOL 1063 **AND** 1001, People and the Environment and Laboratory **Select one of the following combinations:** CHEM 1013 **AND** 1011, General Chemistry I and Laboratory CHEM 1043 **AND** 1041, Fundamental Concepts of Chemistry and Laboratory GEOL 1003 **AND** 1001, Environmental Geology and Laboratory PHSC 1014, Energy and the Environment PHSC 1203 **AND** 1201, Physical Science and Laboratory PHYS 1103 **AND** 1101, Intro to Space Science and Laboratory PHYS 2034, University Physics I PHYS 2054, General Physics I  | 8  |
| **Fine Arts and Humanities (6 hrs required)** **Fine Arts (select one of the following):** ART 2503, Fine Arts-Visual MUS 2503, Fine Arts-Musical THEA 2503, Fine Arts-Theatre **Humanities (select one of the following):** ENG 2003, Introduction to Literature of the Western World I ENG 2013, Introduction to Literature of the Western Wo Pg 126**Bachelor of Applied Science\*** **Emphasis in Renewable Energy Technology** A complete 8-semester degree plan is available at http://registrar.astate.edu/.

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| **University Requirements:**  |
| Students interested in pursuing a Bachelor of Applied Science degree must schedule a personal in­terview with a BAS advisor. During this interview, the advisor will outline in detail the requirements for the BAS program. The advisor and the student will analyze the appropriateness of the degree given the student’s goals and career objectives, the degree’s requirements and the student’s academic progress to date. **The BAS program requires completion of the following program prerequisites:** 1. Associate of Applied Science (AAS) or other recognized technical-professional associate degree from an accredited institution. 2. Minimum GPA of 2.00 on all transfer work. 3. Completion of the ASU admission application process with acceptance. 4. Completion of the State Minimum General Education Core. 5. Completion of a total of 120 hours of which 45 hours are upper-level (3000-4000) 6. Minimum GPA of 2.00 on all coursework at ASU and a 2.00 average on all coursework pre­sented for graduation. ***\* The Bachelor of Applied Science with emphasis in Renewable Energy Technology degree program does not have a major.***  |
| **General Education Requirements:**  | **Sem. Hrs.**  |
| **Communication (9 hrs required)** COMS 1203, Oral Communications ENG 1003, Composition I (C or Better) ENG 1013, Composition II (C or Better)  | 9  |
| **Math (3 hours required)** MATH 1023, College Algebra (or higher level math course for which College Algebra is a prerequisite) MATH 1054, Precalculus Math  | 3  |
| **Science (8 hours required)** **Select one of the following combinations:** BIO 2013 **AND** 1021, Biology of the Cell and Laboratory BIO 2103 **AND** 2101, Microbiology for Nursing and Laboratory BIO 2203 **AND** 2201, Human Anatomy and Physiology I and Laboratory BIOL 1003 **AND** 1001, Biological Science and Laboratory BIOL 1033 **AND** 1001, Biology of Sex and Laboratory ~~BIOL 1043~~ **~~AND~~** ~~1001, Plants and People and Laboratory~~ BIOL 1063 **AND** 1001, People and the Environment and Laboratory **Select one of the following combinations:** CHEM 1013 **AND** 1011, General Chemistry I and Laboratory CHEM 1043 **AND** 1041, Fundamental Concepts of Chemistry and Laboratory GEOL 1003 **AND** 1001, Environmental Geology and Laboratory PHSC 1014, Energy and the Environment PHSC 1203 **AND** 1201, Physical Science and Laboratory PHYS 1103 **AND** 1101, Intro to Space Science and Laboratory PHYS 2034, University Physics I PHYS 2054, General Physics I  | 8  |
| **Fine Arts and Humanities (6 hrs required)** **Fine Arts (select one of the following):** ART 2503, Fine Arts-Visual MUS 2503, Fine Arts-Musical THEA 2503, Fine Arts-Theatre **Humanities (select one of the following):** ENG 2003, Introduction to Literature of the Western World I ENG 2013, Introduction to Literature of the Western World II  |

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**Biology (BIOL)**

**BIOL 1001. Biological Science Laboratory** Two hours per week. It is recommended this course be taken concurrently with BIOL 1003. Special course fees may apply. Fall, Spring, Summer. (ACTS#: BIOL 1004, BIOL 1024)

**BIOL 1003. Biological Science** The major characteristics and processes of life emphasizing the human organism. Promotes understanding of diversity and unity among living organisms with focus on ecological interactions and responsibilities of people within their social and natural environment. Lecture three hours per week. Special course fees may apply. It is recommended that this course be taken concurrently with BIOL 1001. Fall, Spring, Summer. (ACTS#: BIOL 1004)

**BIOL 1033. Biology of Sex** Biological basis of sex and reproduction with an emphasis on humans. Course will provide students with a basic functional understanding of human systems, which will lead to informed decisions regarding sexual and reproductive health. Lecture three hours per week. Special course fees may apply. Prerequisite, None. It is recommended this course be taken concurrently with BIOL 1001. Spring.

**~~BIOL 1043. Plants and People Shaping the Future~~** ~~Significance of plants and plant products in human life. Course content centers around plants as representative biological organisms, and their role in shaping human society. Lecture three hours per week. It is recommended this course be taken concurrently with BIOL 1001. Special course fees may apply. Fall, Spring. (ACTS#: BIOL 1024)~~

**BIOL 1063. People and the Environment** Major environmental issues facing our society will be covered to equip students to become part of the solution to many environmental challenges confronting us this century. Lecture three hours per week. It is recommended this course be taken concurrently with BIOL 1001. Special course fees may apply. Fall, Spring.