Code # Enter text…

**Course Revision Proposal Form**

**[x] Undergraduate Curriculum Council**

**[ ] Graduate Council**

Signed paper copies of proposals submitted for consideration are no longer required. Please type approver name and enter date of approval.

Email completed proposals to [curriculum@astate.edu](mailto:curriculum@astate.edu) for inclusion in curriculum committee agenda.

|  |  |
| --- | --- |
| John Hershberger 9/29/2017 **Department Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **COPE Chair (if applicable)** |
| William Burns 9/29/2017 **Department Chair:** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Head of Unit (If applicable)** | |
| David F. Gilmore 9/29/2017 **College Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Undergraduate Curriculum Council Chair** | |
| Anne A. Grippo 10/4/2017 **College Dean** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Graduate Curriculum Committee Chair** | |
| |  |  | | --- | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Enter date |   **General Education Committee Chair (If applicable)** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Vice Chancellor for Academic Affairs** | |

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

William Burns, [wburns@asate.edu](mailto:wburns@asate.edu) 870-972-3086

2. Proposed Starting Term and Bulletin Year for Change to Take Effect

Spring 2018

3. Current Course Prefix and Number

PHSC 1203 and PHSC 1201

3.1 – [Yes] Request for Course Prefix and Number change

If yes, include new course Prefix and Number below. *(Confirm that number chosen has not been used before. For variable credit courses, indicate variable range. Proposed number for experimental course is 9. )*

Replace PHSC 1203 and PHSC 1201 with PHSC 1204

3.2 – If yes, has it been confirmed that this course number is available for use? YES

*If no: Contact Registrar’s Office for assistance.*

4. Current Course Title

Physical Science (PHSC 1203) and Physical Science Laboratory (PHSC 1201)

4.1 – [Yes] Request for Course Title Change

If yes, include new Course Title Below. *If title is more than 30 characters (including spaces), provide short title to be used on transcripts. Title cannot have any symbols (e.g. slash, colon, semi-colon, apostrophe, dash, and parenthesis). Please indicate if this course will have variable titles (e.g. independent study, thesis, special topics).*

Physical Science

5. – [Yes ] Request for Course Description Change.

If yes, please include brief course description (40 words or fewer) as it should appear in the bulletin.

An integrated lecture/laboratory course exploring various physical sciences and the role they assume in understanding and describing processes of everyday life and selected issues impacting society.

6. – [Yes ] Request for prerequisites and major restrictions change.

*(If yes, indicate all prerequisites. If this course is restricted to a specific major, which major. If a student does not have the prerequisites or does not have the appropriate major, the student will not be allowed to register).*

1. Are there any prerequisites? Yes
   1. If yes, which ones?

PHSC 1203 prerequisite is MATH 0013 or ACT Mathematics score of 16.

The proposed prerequisite for PHSC 1204 is successful completion of a 1000-level math course or 19 or above on ACT Math or 460 or above on SAT Mathematics or 36 or above on COMPASS Algebra or 42 or above on ASSET Algebra or completion of 12 modules in UC 0173 and UC 022V.

* 1. Why or why not?

MATH 0013 is no longer offered and thus should not be a prerequisite. Several test prerequisite options are included to accommodate as many students as possible. These prerequisites are similar to those of MATH 1043 (Quantitative Reasoning), which has the least rigorous prerequisites of an A-State math course that will be accepted for degree credit.

1. Is this course restricted to a specific major? No
   1. If yes, which major? Enter text...

7. – [Yes ] Request for Course Frequency Change(e.g. Fall, Spring, Summer). *Not applicable to Graduate courses.*

a. If yes, please indicate new frequency:

Fall, Spring

8. – [Yes ] Request for Class Mode Change

*If yes, indicate if this course will be lecture only, lab only, lecture and lab, activity, dissertation, experiential learning, independent study, internship, performance, practicum, recitation, seminar, special problems, special topics, studio, student exchange, occupational learning credit, or course for fee purpose only (e.g. an exam)? Please choose one.*

PHSC 1204 will be a lecture and lab course

9. – [No ] Request for grade type change

*If yes, what is the grade type (i.e. standard letter, credit/no credit, pass/fail, no grade, developmental, or other [please elaborate])*

Enter text...

10. Is this course dual listed (undergraduate/graduate)? No

a. If yes, indicate course prefix, number and title of dual listed course.

Enter text...

11. Is this course cross listed? No

*(If it is, all course entries must be identical including course descriptions. Submit appropriate documentation for requested changes. It is important to check the course description of an existing course when adding a new cross listed course.)*

1. If yes, please list the prefix and course number of cross listed course.

Enter text...

1. Are these courses offered for equivalent credit? Yes / No

Please explain. Enter text...

12. Is this course change in support of a new program? No

a. If yes, what program?

Enter text...

13. Does this course replace a course being deleted? Yes

a. If yes, what course?

PHSC 1203 and PHSC 1201.

14. Will this course be equivalent to a deleted course or the previous version of the course? Yes

a. If yes, which course?

PHSC 1203 and PHSC 1201

15. Does this course affect another program? Yes

If yes, provide contact information from the Dean, Department Head, and/or Program Director whose area this affects.

This is a General Education course.

16. Does this course require course fees? No

*If yes: Please attach the New Program Tuition and Fees form, which is available from the UCC website.*

**Revision Details**

17. Please outline the proposed revisions to the course.

*Include information as to any changes to course outline, special features, required resources, or in academic rationale and goals for the course.*

It is the proposed the existing three credit Physical Science lecture (PHSC 1203) and one credit Physical Science Laboratory (PHSC 1201) courses be combined into a single lecture/laboratory course, Physical Science (PHSC 1204). The only change to course outline will be the incorporation of existing lecture and laboratory content into the single proposed course. No additional resources will be needed to deliver the course. Based on current integrated lecture/lab physical science courses, it is expected lab activities will contribute 20-25% to the course grade determination.

18. Please provide justification to the proposed changes to the course.

current and recent past bulletins indicate PHSC 1203 and 1201 are to be taken concurrently. It is also worth noting the general education curriculum indicates matched physical science lecture and laboratory courses must be completed (i.e. PHSC 1203 AND PHSC 1201, or PHYS 1103 AND PHYS 1101, or CHEM 1043 AND CHEM 1041). In many instances the laboratory planned for a given week directly relates to the content being discussed in lecture, and thus, there is a significant benefit to students taking these courses concurrently. Unfortunately, not all students do take the courses concurrently, and recently the number of students taking the lecture and lab concurrently has decreased significantly (for example during spring 2017 178 students were registered for lab and 154 registered for lecture). Moreover, I have experience a growing number of students asking if unmatched physical science lecture and laboratory courses (i.e. PHSC 1203 and CHEM 1041) fulfill the A-State General Education Physical Science requirement. In an effort to increase the number of students completing concurrent, matched general education physical science lecture/laboratory it is proposed PHSC 1204 (lecture and lab course) replace PHSC 1203 (lecture) and PHSC 1201 (lab). PHSC 1014 (Energy and the Environment), PHYS 2034 (University Physics I), and PHYS 2054 (General Physics I) are offered as successful precedents for unified lecture/laboratory general education courses.

19. Do these revisions result in a change to the assessment plan?

[No]

*\*If yes: Please complete the Assessment section of the proposal on the next page.*

*\*If no: Skip to Bulletin Changes section of the proposal.*

***\*See question 19 before completing the Assessment portion of this proposal.***

**Assessment**

**University Outcomes**

20. Please indicate the university-level student learning outcomes for which this new course will contribute. Check all that apply.

|  |  |  |
| --- | --- | --- |
| * 1. **[ ]** Global Awareness | * 1. **[ ]** Thinking Critically | * 1. **[ ]** Information Literacy |

**Relationship with Current Program-Level Assessment Process**

21. What is/are the intended program-level learning outcome/s for students enrolled in this course? Where will this course fit into an already existing program assessment process?

Enter text...

22. Considering the indicated program-level learning outcome/s (from question #23), please fill out the following table to show how and where this course fits into the program’s continuous improvement assessment process.

*For further assistance, please see the ‘Expanded Instructions’ document available on the UCC - Forms website for guidance, or contact the Office of Assessment at 870-972-2989.*

|  |  |
| --- | --- |
| **Program-Level Outcome 1 (from question #23)** | Type outcome here. What do you want students to think, know, or do when they have completed the course? |
| Assessment Measure | Please include direct and indirect assessment measure for outcome. |
| Assessment  Timetable | What semesters, and how often, is the outcome assessed? |
| Who is responsible for assessing and reporting on the results? | Who (person, position title, or internal committee) is responsible for assessing, evaluating, and analyzing results, and developing action plans? |

*(Repeat if this new course will support additional program-level outcomes)*

**Course-Level Outcomes**

23. What are the course-level outcomes for students enrolled in this course and the associated assessment measures?

|  |  |
| --- | --- |
| **Outcome 1** | Type outcome here. What do you want students to think, know, or do when they have completed the course? |
| Which learning activities are responsible for this outcome? | List learning activities. |
| Assessment Measure | What will be your assessment measure for this outcome? |

*(Repeat if needed for additional outcomes)*

**Bulletin Changes**

|  |
| --- |
| **Instructions** |
| **Please visit** [**http://www.astate.edu/a/registrar/students/bulletins/index.dot**](http://www.astate.edu/a/registrar/students/bulletins/index.dot) **and select the most recent version of the bulletin. Copy and paste all bulletin pages this proposal affects below. Follow the following guidelines for indicating necessary changes.**  **\*Please note: Courses are often listed in multiple sections of the bulletin. To ensure that all affected sections have been located, please search the bulletin (ctrl+F) for the appropriate courses before submission of this form.**  - Deleted courses/credit hours should be marked with a red strike-through (~~red strikethrough~~)  - New credit hours and text changes should be listed in blue using enlarged font (blue using enlarged font).  - Any new courses should be listed in blue bold italics using enlarged font (***blue bold italics using enlarged font***)  *You can easily apply any of these changes by selecting the example text in the instructions above, double-clicking the ‘format painter’ icon 🡪 , and selecting the text you would like to apply the change to.*  *Please visit* [*https://youtu.be/yjdL2n4lZm4*](https://youtu.be/yjdL2n4lZm4) *for more detailed instructions.* |

Pages 84, 85, 86, 188, 190, 191, 237, 309, 464, 562 of the 2017-2018 Arkansas State University Undergraduate Bulletin

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L EDUCATION CURRICULUM

FOR BACCAL SSOCIATE OF SCIENCE DEGREES

|  |  |
| --- | --- |
| **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  Any MATH course that requires MATH 1023 as a prerequisite. | 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  **PHSC 1204 Physical Science**  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***  BIOL 1003 **AND** 1001, Biological Science and Laboratory BIOL 1033 **AND** 1001, Biology of Sex and Laboratory  BIOL 1063 **AND** 1001, People & Environment and Laboratory BIO 2013 **AND** 2011, Biology of the Cell and Laboratory  BIO 2103 **AND** 2101, Microbiology for Nursing and Allied Health and Laboratory BIO 2203 **AND** 2201, Human Anatomy and Physiology I 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 – Music THEA 2503 Fine Arts - Theatre | 3 |
| **Humanities - *Three (3) hours required***  ENG 2003, World Literature to 1660  ENG 2013, World Literature Since 1660 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:** | **35** |

NOTE: ty Requirement and is in addition to the State 5 general education hours.

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GENERAL EDUCATION CURRICULUM

FOR ASSOCIATE OF APPLIED SCIENCE DEGREES

|  |  |
| --- | --- |
| **Composition:** | **Required Credit Hrs.** |
| ENG 1003, Composition I (*required)* ENG 1013, Composition II (*required)* | 6 |
| **Natural Sciences and Mathematics:**  Students may substitute a higher level biology course and its laboratory for which BIOL 1003 and 1001 are prerequisites, or may substitute BIO 2013 and 2011. | **Required Credit Hrs.** |
| MATH 1023, College Algebra  Any MATH course that requires MATH 1023 as a prerequisite. | 3 |
| **Select one of the following:**  BIOL 1003 **AND** 1001, Biological Science and Laboratory BIOL 1033 **AND** 1001, Biology of Sex and Laboratory  BIOL 1063 **AND** 1001, People & Environment and Laboratory BIO 2013 **AND** 2011, Biology of the Cell and Laboratory  BIO 2103 **AND** 2101, Microbiology for Nursing and Allied Health and Laboratory BIO 2203 **AND** 2201, Human Anatomy and Physiology I and Laboratory  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  **PHSC 1204 Physical Science**  PHYS 1103 AND 1101, Introduction to Space Science and Laboratory PHYS 2034, University Physics I  PHYS 2054, General Physics I  PHYS 2073 AND 2071, Fundamental Physics and Laboratory | 4 |
| **Social Sciences:** | **Required Credit Hrs.** |
| **Select one of the following:**  HIST 2763, The United States To 1876 HIST 2773, The United States Since 1876  POSC 2103, Introduction to United States Government | 3 |
| **Computer Applications/Fundamentals:** | **Required Credit Hrs.** |
| **Select one of the following:**  CIT 1503, Microcomputer Applications CS 1013, Introduction to Computers | 3 |
| **Total Required Hours:** | **19** |

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GENERAL EDUCATION CURRICULUM

FOR ASSOCIATE OF GENERAL STUDIES DEGREES

|  |  |
| --- | --- |
| **Composition:**  *Six (6) hours required* | **Required Credit Hrs.** |
| ENG 1003, Composition I (*required)* ENG 1013, Composition II (*required)* | 6 |
| **Natural Sciences and Mathematics:**  *Three (3) hours required*  MATH 1023 - College Algebra is a requirement for certain degrees which will not be satisfied by MATH 1043 - Quantitative Reasoning  Students may substitute a higher level biology course and its laboratory for which BIOL 1003 and 1001  are prerequisites. | **Required Credit Hrs.** |
| MATH 1023, College Algebra  MATH 1043, Quantitative Reasoning  Any MATH course that requires MATH 1023 as a prerequisite. | 3 |
| **Select one of the following:**  BIOL 1003 **AND** 1001, Biological Science and Laboratory BIOL 1033 **AND** 1001, Biology of Sex and Laboratory  BIOL 1063 **AND** 1001, People & Environment and Laboratory BIO 2013 **AND** 2011, Biology of the Cell and Laboratory  BIO 2103 **AND** 2101, Microbiology for Nursing and Allied Health and Laboratory BIO 2203 **AND** 2201, Human Anatomy and Physiology I and Laboratory  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  **PHSC 1204 Physical Science**  PHYS 1103 **AND** 1101, Introduction to Space Science and Laboratory PHYS 2034, University Physics I  PHYS 2054, General Physics I  PHYS 2073 **AND** 2071, Fundamental Physics and Laboratory | 4 |
| **Arts and Humanities:**  *Three (3) hours required* | **Required Credit Hrs.** |
| **Select one of the following:**  ART 2503, Fine Arts-Visual  ENG 2003, World Literature to 1660  ENG 2013, World Literature Since 1660 MUS 2503, Fine Arts-Music  PHIL 1103, Introduction to Philosophy THEA 2503, Fine Arts-Theatre | 3 |
| **Social Sciences:**  *Six (6) hours required* ***(****One course must be selected from HIST 2763, HIST 2773 or POSC 2103)* | **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 | 6 |
| **Computer Applications/Fundamentals:** | **Required Credit Hrs.** |
| **Select one of the following:**  CIT 1503, Microcomputer Applications CS 1013, Introduction to Computers | 3 |
| **Total Required Hours:** | **25** |

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**Major in Elementary Education**

**Bachelor of Science in Education (Kindergarten - Grade 6 License)**

|  |  |
| --- | --- |
| **University Requirements:** |  |
| See University General Requirements for Baccalaureate degrees (p. 41) |  |
| **First Year Making Connections Course:** | **Sem. Hrs.** |
| UC 1013, Making Connections | **3** |
| **General Education Requirements:** | **Sem. Hrs.** |
| See General Education Curriculum for Baccalaureate degrees (p. 84) |  |

A complete 8-semester degree plan is available [at http://registrar.astate.edu/.](http://registrar.astate.edu/)

**Students with this major must take the following:**

*MATH 1023, College Algebra or MATH course that requires MATH 1023 as a prerequisite*

*PHSC 1203* ***AND*** *PHSC 1201, Physical Science and Laboratory*

**PHSC 1204 Physical Science**

*BIOL 1003* ***AND*** *BIOL 1001, Biological Science and Laboratory ENG 2003, World Literature to 1660* ***OR***

*ENG 2013, World Literature Since 1660 HIST 2763, The United States To 1876* ***OR***

*HIST 2773, The United States Since 1876 HIST 1013, World Civilization To 1660* ***OR***

*HIST 1023, World Civilization Since 1660*

*POSC 2103, Introduction to United States Government*

*COMS 1203, Oral Communication (Required Departmental Gen. Ed. Option)*

|  |  |
| --- | --- |
| **Professional Education Requirements:**  Courses denoted below with an asterisk (\*) require admission to the Teacher Education  Program. | **Sem. Hrs.** |
| ELED 2113, Child Growth and Learning | 3 |
| \*ELED 3103, Effective Assessment in Elementary Grades | 3 |
| \*ELED 3113, Children’s Literature in Elementary Grades | 3 |
| \*ELED 3143, Integrating the Curriculum and Instructional Strategies for Elementary Students | 3 |
| \*ELED 3163, Characteristics of and Differentiation of Instruction for Diverse Learners | 3 |
| \*ELED 3183, Technology in the Elementary Classroom | 3 |
| \*ELED 4102, Methods of Teaching Language Arts in Elementary Grades | 2 |
| \*ELED 4104, Teaching Internship I, Elementary | 4 |
| \*ELED 4112, Methods of Teaching Social Studies in Elementary Grades | 2 |
| \*ELED 4122, Methods of STEM, Mathematics | 2 |
| \*ELED 4132, Methods of STEM, Science | 2 |
| \*ELED 4142, Classroom Management for Elementary Grades | 2 |
| \*ELED 4216, Teaching Internship II, Kindergarten through Third Grade | 6 |
| \*ELED 4226, Teaching Internship III, Fourth through Sixth Grade | 6 |
| ELSE 3643, The Exceptional Student in the Regular Classroom | 3 |
| \*RDNG 3203, Foundations of Reading Instruction | 3 |
| \*RDNG 3223, Content Area Reading and Writing in Elementary School | 3 |
| \*RDNG 4103, Literacy Assessment, Diagnosis, and Development | 3 |
| TE 2003, Introduction to Education | 3 |
| **Sub-total** | **59** |
| **Additional Requirements:** | **Sem. Hrs.** |
| ARED 3702, Children and Art | 2 |
| GSP 3203, Science for Teachers | 3 |
| MATH 2113, Mathematics for School Teachers I | 3 |

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**Major in Middle Level Education**

**Bachelor of Science in Education (Grades 4 - 8 License)**

|  |  |
| --- | --- |
| **University Requirements:** |  |
| See University General Requirements for Baccalaureate degrees (p. 41) |  |
| **First Year Making Connections Course:** | **Sem. Hrs.** |
| UC 1013, Making Connections | **3** |
| **General Education Requirements:** | **Sem. Hrs.** |
| See General Education Curriculum for Baccalaureate degrees (p. 84) |  |

A complete 8-semester degree plan is available [at http://registrar.astate.edu/.](http://registrar.astate.edu/)

**Students with this major must take the following:**

*MATH 1023, College Algebra or MATH course that requires MATH 1023 as a prerequisite*

*PHSC 1203* ***AND*** *PHSC 1201, Physical Science and Laboratory*

**PHSC 1204 Physical Science**

*BIOL 1003* ***AND*** *BIOL 1001, Biological Science and Laboratory ENG 2003, World Literature to 1660* ***OR***

*ENG 2013, World Literature Since 1660 HIST 2763, The United States To 1876* ***OR***

*HIST 2773, The United States Since 1876 HIST 1013, World Civilization To 1660* ***OR***

*HIST 1023, World Civilization Since 1660*

*POSC 2103, Introduction to United States Government*

*COMS 1203, Oral Communication (Required Departmental Gen. Ed. Option)*

|  |  |
| --- | --- |
| **Professional Education Requirements:**  Courses denoted below with an asterisk (\*) require admission to the Teacher Education  Program.  Students must maintain a minimum GPA of 2.75 **AND** a grade of at least a “C” for each course in the Professional Education Requirements. | **Sem. Hrs.** |
| ELSE 3643, The Exceptional Student in the Regular Classroom | 3 |
| \*MLED 3003, Nature and Needs of the Middle Level Learner | 3 |
| \*MLED 3013, Literacy Through Literature for the Middle Grades | 3 |
| \*MLED 3043, Effective Assessment of Middle School Students | 3 |
| \*MLED 3053, Instructional Models and Strategies in the Middle Grades | 3 |
| \*MLED 3083, Integration of Technology into the Curriculum | 3 |
| **Select two of the following depending on specialty area (see below):**  \*MLED 4002, Methods and Materials for Teaching English Language Arts  \*MLED 4012, Methods and Materials for Teaching Mathematics  \*MLED 4022, Methods and Materials for Teaching Science  \*MLED 4032, Methods and Materials for Teaching Social Studies | 4 |
| \*MLED 4042,Theories and Strategies of Middle Grades Classroom Management | 2 |
| \*MLED 4073, Key Issues of Teaching and Learning in Middle Grades | 3 |
| \*MLED 4006, Teaching Internship I | 6 |
| \*MLED 4116, Teaching Internship II | 12 |
| RDNG 3203, Foundations of Reading Instruction | 3 |
| \*RDNG 4343, Reading in the Content Areas, Middle and Secondary Schools | 3 |
| TE 2003, Introduction to Education | 3 |
| \*TE 3003, Differentiation for Culturally and Linguistically Diverse Learners | 3 |
| **Sub-total** | **57** |
| **Licensure Requirement:** | **Sem. Hrs.** |
| HIST 3083, History of Arkansas | **3** |

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**Major in Middle Level Education (cont.)**

**Bachelor of Science in Education (Grades 4 - 8 License)**

A complete 8-semester degree plan is available [at http://registrar.astate.edu/.](http://registrar.astate.edu/)

|  |  |
| --- | --- |
| **Specialty Areas:**  *Students must choose two Specialty Areas. Students must have a “C” or better in each course in the Specialty Areas, including General Education courses which fall within the Specialty Areas. Specialty Area courses may be substituted per the advisor’s approval.* | **Sem. Hrs.** |
| **Specialty of English/Language Arts:**  **Students with this Specialty Area must take the following:**  ENG 2003, Introduction to World Literature I **OR**  ENG 2013, Introduction to World Literature II ENG 3323, American Literature To 1865 **OR**  ENG 3363, American Literature Since 1865 MLED 3063, Teaching Writing in the Middle School Select one of the following:  ENG 2103, Introduction to World Literature I ENG 2113, Introduction to World Literature II ENG 3583, Literature for Adolescents  ENG 4043, Theory in the Teaching of Composition |  |
| **The following courses taken to satisfy the General Education Requirements require a grade of “C” or better:**  *ENG 1003, Composition I ENG 1013, Composition II*  *ENG 2003, Introduction to World Literature I* ***OR***  *ENG 2013, Introduction to World Literature II*  **Specialty of Mathematics:**  **Students with this Specialty Area must take the following:**  MATH 2113, Mathematics for School Teachers I MATH 2123, Mathematics for School Teachers II MATH 2194, Survey of Calculus **OR**  MATH 2204, Calculus I  MATH 3003, Geometry for the Middle School Teacher MATH 3133, Mathematics for School Teachers III  **The following courses taken to satisfy the General Education Requirements require a grade of “C” or better:**  *MATH 1023, College Algebra* | 16 |
| **Specialty of Science:**  **Students with this Specialty Area must take the following:**  CHEM 1003, Introduction to Chemistry  GEOG 3723, Introduction to Physical Geography Weather and Climate GSP 3203, Science for Teachers  MLED 3093, Teaching Middle Level Science Integrated with Technology, Engineering, and Mathematics  **The following courses taken to satisfy the General Education Requirements require a grade of “C” or better:**  *BIOL 1003* ***AND*** *BIOL 1001, Biological Science and Laboratory PHSC 1203* ***AND*** *PHSC 1201, Physical Science and Laboratory*  **PHSC 1204 Physical Science** | 12 |
| **Specialty of Social Studies:**  **Students with this Specialty Area must take the following:**  ECON 2333, Economic Issues and Concepts GEOG 2613, Introduction to Geography HIST 1013, World Civilization To 1660 **OR**  HIST 1023, World Civilization Since 1660 HIST 2763, The United States To 1876 **OR**  HIST 2773, The United States Since 1876  **The following courses taken to satisfy the General Education Requirements require a grade of “C” or better:**  *HIST 2763, The United States To 1876* ***OR***  *HIST 2773, The United States Since 1876 HIST 1013, World Civilization To 1660* ***OR***  *HIST 1023, World Civilization Since 1660*  *POSC 2103, Introduction to United States Government* | 12 |
| **Sub-total** | **24-28** |
| **Total Required Hours:** | **122-126** |

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**Law Enforcement**

**Associate of Applied Science**

|  |  |
| --- | --- |
| **University Requirements:** |  |
| See University General Requirements for Associate degrees (p. 40) |  |
| **General Education Requirements:** | **Sem. Hrs.** |
| BIOL 1003 **AND** 1001, Biological Science and Laboratory | 4 |
| CS 1013, Introduction to Computers | 3 |
| ENG 1003, Composition I | 3 |
| ENG 1013, Composition II | 3 |
| HIST 1013, World Civilization To 1660 **OR**  HIST 1023, World Civilization Since 1660 | 3 |
| MATH 1023, College Algebra | 3 |
| PE 1002, Concepts of Fitness | 2 |
| **Select one of the following:**  CHEM 1013 **AND** 1011, General Chemistry I and Laboratory PHSC 1203 **AND** 1201, Physical Science and Laboratory  **PHSC 1204 Physical Science**  PHYS 2054, General Physics I | 4 |
| **Select one of the following:**  HIST 2763, The United States To 1876 HIST 2773, The United States Since 1876  POSC 2103, Introduction to United States Government | 3 |
| **Select one of the following:**  ANTH 2233, Introduction to Cultural Anthropology ECON 2333, Economic Issues and Concepts ECON 2313, Principles of Macroeconomics  PSY 2013, Introduction to Psychology | 3 |
| **Sub-total** | **31** |
| **Major Requirements:** | **Sem. Hrs.** |
| COMS 1203, Oral Communication | 3 |
| CRIM 1023, Introduction to Criminal Justice | 3 |
| CRIM 2043, Community Relations | 3 |
| CRIM 2263, Criminal Evidence and Procedure | 3 |
| CRIM 3223, Police and Society | 3 |
| CRIM 3263, Criminology **OR**  CRIM 3323, Juvenile Delinquency | 3 |
| HLTH 2523, First Aid and Safety | 3 |
| POSC 3113, American Municipal Government | 3 |
| SOC 2213, Introduction to Sociology | 3 |
| Criminology Elective | 3 |
| **Sub-total** | **30** |
| **Electives:** | **Sem. Hrs.** |
| Electives | **2** |
| **Total Required Hours:** | **63** |

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**Department of Communication Disorders**

*Professor Richard Neeley, Chair*

**Professors:** *McDaniel*

**Assistant Professors:** *Akbari, Brantley, Good, Pait, Shollenbarger*

**COMMUNICATION DISORDERS:** The Bachelor of Science degree in Communication Disorders is a preprofessional degree program which provides students with academic and practical preparation considered essential for success in the Communication Disorders graduate program. The undergraduate curriculum offers students a broad base of preparation in general education requirements, the sciences associated with communication and its disorders, anatomy and physiology, and a number of basic meth- ods courses associated with the identification and treatment of a variety of communication disorders.

# ADMISSION REQUIREMENTS

In order for students to be admitted into the Bachelor of Science in Communications Disorders,

they must meet the following conditions:

1. An overall GPA of 2.75
2. ‘C’ or better in:

ENG 1003, Composition I ENG 1013, Composition II

1. ‘B’ or better in Math 1023, College Algebra
2. An average GPA of 3.2 or higher in the following courses (repeated courses will be included in the calculation of the GPA):

BIO 2203 **AND** 2201, Human Anatomy/Physiology I and Laboratory CD 2104, Anatomy and Physiology of CD with Laboratory

CD 2203, Phonetics

CD 2653, Introduction to Communication Disorders

PHSC 1203 **AND** 1201, Physical Science and Laboratory

**PHSC 1204 Physical Science**

(or other approved physical science option with lab)

PSY 2013, Introduction to Psychology

1. Complete 15 clock hours of supervised observation in the ASU Speech and Hearing Center
2. Complete a free speech and hearing screening at the ASU Speech and Hearing Center

# PROBATION, RETENTION AND READMISSION

Refer to e College of Nursing and Health

Professions.

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**ELSE 4242. Secondary Practicum in Special Education** Field-basedexperiencedesigned to provide teacher candidates with the opportunity to apply knowledge gained through coursework in a secondary special education setting (7-12) that entails 30 hours of on-site practicum work. Restricted to Special Education K-12 majors. Prerequisite, admission to the Teacher Education program. Fall.

**Middle Level Education (MLED)**

**MLED 3003. Nature and Needs of the Middle Level Learner** Examines theories and research on the development and needs of the middle level learner. Includes examination of the physical, cognitive, emotional, moral, and social development of 9 to 15 year olds. Three clock hours of fieldwork are required. Prerequisites, Admission to the Teacher Education Program. Fall, Summer.

**MLED 3013. Literacy Through Literature for the Middle Grades** Designed to assist preservice teachers in becoming widely acquainted with the role literature plays in the continuing literacy development of middle level students. Features current trade books and other literary forms. Four clock hours of fieldwork are required in middle level classroom settings. Prerequisites, Admission to the Teacher Education Program. Spring, Summer.

**MLED 3043. Effective Assessment of Middle School Students** Design of and effective formative and summative assessments; analysis of assessment systems and formative and sum- mative evidence in classroom practice to inform instruction in the middle grades. Prerequisite, Admission to the Teacher Education Program. Spring, Summer.

**MLED 3053. Instructional Models and Strategies in the Middle Grades** Explorationofresearch- based instructional models and teaching strategies for the middle grades; rehearsal and integration of effective pedagogical decision-making. Prerequisite, Admission to Teacher Education Program. Spring, Summer.

**MLED 3063. Teaching Writing in the Middle School** Examination of effective approaches for teach- ing writing; rehearsal of writing processes appropriate for writing instruction in the middle grades. Prerequisite, Admission into Teacher Education Program. Spring, Summer.

**MLED 3083. Integration of Technology into the Curriculum** Teaches preservice teachers in the early childhood and middle level programs how to integrate educational technology into the classroom curriculum. Prerequisite, Admission to the Teacher Education Program. Fall, Spring, Summer.

**MLED 3093. Teaching Middle Level Science Integrated with Technology, Engineering and Mathematics** Study of theories and practices that promote integrated science, technology, engineering, and mathematics (STEM) teaching by middle level science specialty students. Must be admitted to the Teacher Education Program. Prerequisites, BIOL 1001, BIOL 1003, PHSC 1201, PHSC 1203, **PHSC 1204,**

GSP 3203, MATH 1023. Spring.

**MLED 4002. Methods and Materials for Teaching English Language Arts** Analysis and rehearsal of teaching grammar in context of the writing process through study of image grammar, syntactic structures, and mentor texts; creation of teacher writing models and writing portfolio in both fiction and nonfiction. Prerequisites, MLED 3043, MLED 3053, Admission to the Teacher Education Program. Corequisites, MLED 4042, MLED 4006, one of the following specialty courses: MLED 4012, MLED 4022, MLED 4032. Fall.

**MLED 4012. Methods and Materials for Teaching Mathematics** Mathematical processes, diagnosis of learner difficulties, and underlying rationale for teaching mathematics. Focus on Mathematics Common Core Standards, appropriate pedagogy, math manipulatives and use of instructional technology. Prerequisites, Admission to the Teacher Education Program, MLED 3043, MLED 3053, MATH 2113, MATH 2123. Corequisites, MLED 4006, MLED 4042, One of the following

specialty courses: MLED 4002, MLED 4022, MLED 4032. Fall.

**MLED 4022. Methods and Materials for Teaching Science** Current trends in teaching sci- ence at the middle school level, science process skills, teaching techniques, state and national science standards, curriculum development, use of facility resources and equipment. Prerequisites, Admission to the Teacher Education Program, MLED 3043, MLED 3053, GSP 3203. Corequisites, MLED 4006, MLED 4042, one of the following specialty courses: MLED 4002, MLED 4012, MLED 4032. Fall.

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# General Science (GSP)

**GSP 3203. Science for Teachers** Gives early childhood and middle school teachers an overall view of the role of science in the development of modern civilization, and enables teachers to use content knowledge to properly direct the learning activities of pupils in science classes. Special course fees may apply. Fulfillment of the General Education Biological and Physical Science courses requirement. Fall, Spring, Summer.

# Physical Science (PHSC)

**PHSC 1003. Making Connections Chemistry and Physics** Required course for first semester freshmen. Core content includes transition to college, academic performance skills, problem solving, critical thinking, self management, group building skills, and university policies. Content related to the departmental majors is also included. Fall.

**PHSC 1014. Energy and the Environment** A hybrid lecture and lab course that studies energy. What it is, how it is produced and used, and its effect on the environment. Special attention will be paid to individual energy usage and economical methods by which to reduce usage. Prerequisite, MATH 0013 or ACT Mathematics core of 16. Fall, Spring.

**PHSC 1201. Physical Science Laboratory** Two hours per week. Special course fees may apply.

To be taken concurrently with PHSC 1203. Fall, Spring, Summer. (ACTS#: PHSC 1004)

**PHSC 1203. Physical Science** The relationship of man to his physical world, content of the course is centered on the development of our modern concepts about matter and energy and how this development is related to the social order of which man is a part. Lecture three hours. This course does not satisfy science certification for secondary school teachers. It is not accepted as a major requirement in any natural science field. Special course fees may apply. To be taken concurrently with PHSC 1201. Prerequisite, MATH 0013 or ACT Mathematics score of 16. Fall, Spring, Summer. (ACTS#: PHSC 1004)

PHSC 1204. An integrated lecture/laboratory course exploring various physical sciences and the role they assume in understanding and describing processes of everyday life and selected issues impacting society. Special course fees may apply. Prerequisite successful completion of a 1000-level math course or 19 or above on ACT Math or 460 or above on SAT Mathematics or 36 or above on COMPASS Algebra or 42 or above on ASSET Algebra or completion of 12 modules in UC 0173 and UC 022V.

# Physics (PHYS)

**PHYS 1101. Introduction to Space Science Laboratory** Two hours per week. Special course fees may apply. To be taken concurrently with PHYS 1103. Demand. (ACTS#: PHSC 1204)

**PHYS 1103. Introduction to Space Science** A survey of the basic principles of science with emphasis on physics through their application to study about our place in the cosmos. Lecture three hours. This course will meet the general education requirements for physical science if taken with PHYS 1101. Special course fees may apply. Prerequisite, MATH 0013 or ACT Math score of

16. Demand. (ACTS#: PHSC 1204)

**PHYS 2034. University Physics I** Basic principles of mechanics, thermodynamics, materials and wave motion utilizing calculus with multimedia computers, at each station, in a unified lecture and lab format. 6 hours per week. Special course fees may apply. This course may be substituted for PHYS 2054. This course will meet the General Education Requirements for Physical Science. Corequisite, MATH 2204. Fall, Spring. (ACTS#: PHYS 2034)

**PHYS 2044. University Physics II** Continuation of PHYS 2034 covering the basic principles of electricity, magnetism, waves, optics and topics from modern physics utilizing calculus with multi- media computers, at each station, in a unified lecture and lab format. 6 hours per week. Special course fees may apply. Special course fees may apply. Prerequisite, Physics 2034 or 2054. This course may be substituted for PHYS 2064 or for PHYS 2083 and 2081. Corequisite, MATH 2214. Fall, Spring. (ACTS#: PHYS 2044)

**PHYS 2054. General Physics I** The essential of mechanics, heat, materials and simple harmonic motion in a unified lecture and laboratory format utilizing multimedia computers at each student station. Six hours per week. This course will meet the General Education Program requirements for physical science. PHYS 2034 may be substituted. Special course fees may apply. Special course fees may apply. Prerequisite, MATH 1033 or higher. Fall, Spring, Summer. (ACTS#: PHYS 2014)