

# Slippery Rock University of Pennsylvania – Curriculum Guide

## Bachelor of Science in Education

### Middle-Level Science (4-8)

| LIBERAL STUDIES REQUIREMENTS (49-50 credits)  |   |   |             |    |
|---|---|---|-------------|----|
| See Liberal Studies Guide for Goal and Enrichment choices   |   |   |             |    |
| GOAL COURSE REQUIREMENTS  |   |   |             |    |
| Complete Goal requirements as indicated below (40-41 credits)   |   |   |             |    |
| ✓   | Course  | Title   | Cr          | Gr |
| <b>Basic Requirements (6 credits)- ENGL101&amp;103 required if student entered SRU prior to Fall 2011. ENGL102 required if student entered SRU Fall 2011 forward.</b> |   |   |             |    |
|   | ENGL 101 <i>and</i><br>ENGL 103 <i>or</i><br>ENGL 102 | College Writing I <i>and</i><br>College Writing II <i>or</i><br>College Writing | 3<br>3<br>3 |    |
|   | ENGL 210  | Interpreting Literature★  | 3           |    |
| <b>The Arts (3 credits)</b>   |   |   |             |    |
|   | ART 225   | Overview of Western Art   | 3           |    |
|   | ART 226   | Overview of World Art   | 3           |    |
|   | DANC 100  | Introduction to Dance   | 3           |    |
|   | MUSI 101  | Introduction to Music   | 3           |    |
|   | THEA 141  | Introduction to Theatre   | 3           |    |
| <b>Global Community (6 credits)</b>   |   |   |             |    |
| Select two Non-U.S. Goal Courses from the following list of courses. MUST be from different departments.  |   |   |             |    |
|   | GES 100   | Discover Geography  | 3           |    |
|   | GES 105   | World Regional Geography  | 3           |    |
|   | GES 107   | Developed World   | 3           |    |
|   | GES 109   | Developing World  | 3           |    |
|   | HIST 151  | Ancient & Medieval World  | 3           |    |
|   | HIST 152  | Rise of the Modern World  | 3           |    |
|   | HIST 153  | Contemporary World History  | 3           |    |
|   | POLS 103  | International Relations   | 3           |    |
|   | PROF 202  | Introduction to Anthropology  | 3           |    |
|   | SOWK 105  | Human Diversity   | 3           |    |
| <b>Global Community (3 credits)</b>   |   |   |             |    |
| Select one U.S. Goal Course from the following list of courses.   |   |   |             |    |
|   | GES 202   | United States & Canada  | 3           |    |
|   | HIST 201  | Colonial America to 1815  | 3           |    |
|   | HIST 202  | United States 1815 to 1920  | 3           |    |
|   | HIST 203  | U.S. History since 1920   | 3           |    |
|   | POLS 101  | American National Government  | 3           |    |
|   | PROF 101  | Taxes in America  | 3           |    |
| <b>Human Institutions &amp; Interpersonal Relationships (3 credits)</b>   |   |   |             |    |
|   | PSYC 105  | Intro to Psychology   | 3           |    |
|   | PROF 201  | Principles of Sociology   | 3           |    |
| <b>Science, Technology &amp; Math (16-17 credits total)</b>   |   |   |             |    |
| <b>Science (7-8 credits)</b> Select two science goal courses, each from a different department.   |   |   |             |    |
|   | BIOL 101  | General Biology   | 3           |    |
|   | BIOL 104  | Principles of Biology / Lab   | 3           |    |
|   | CHEM 107/111  | General Chemistry / Lab ★   | 4           |    |
| <b>Math (9 credits)</b>   |   |   |             |    |
|   | MATH 118  | Elementary Geometry ★   | 3           |    |
|   | MATH 152  | Elementary Statistics I ★   | 3           |    |
|   | MATH 210  | Elementary Math I ★   | 3           |    |
| <b>Challenges of the Modern Age (3 credits)</b>   |   |   |             |    |
| Select one of the following goal courses. Student must have at least 45 semester hours to enroll in this group of courses.  |   |   |             |    |
|   | BIOL 300  | Soc. & Eth. Issues in Genetics ★  | 3           |    |
|   | PHYS 317  | Space Science   | 3           |    |

#### GPA REQUIREMENT

GPA must be 2.8 or higher for Teacher Candidacy.

A minimum 2.8 GPA and appropriate PRAXIS scores are required for certification.

| LIBERAL STUDIES REQUIREMENTS (continued)               |          |                               |    |    |
|--|----------|-------------------------------|----|----|
| ENRICHMENT COURSES (9 credits)                         |          |                               |    |    |
| ✓  | Course   | Title                         | Cr | Gr |
| <b>The Arts (3 credits)</b>                            |          |                               |    |    |
|  | ENGL 214 | Film Analysis                 | 3  |    |
|  | ENGL 242 | Afro-American Literature ★    | 3  |    |
|  | ENGL 243 | Lit. of Women's Movement ★    | 3  |    |
|  | ENGL 244 | Native American Literature ★  | 3  |    |
|  | ENGL 248 | Eastern Literature ★          | 3  |    |
|  | ENGL 311 | Chaucer ★                     | 3  |    |
|  | ENGL 312 | Shakespeare ★                 | 3  |    |
|  | ENGL 314 | European Film ★               | 3  |    |
|  | ENGL 315 | Cinematic Review ★            | 3  |    |
|  | ENGL 317 | British Literature I ★        | 3  |    |
|  | ENGL 318 | British Literature II ★       | 3  |    |
|  | ENGL 319 | American Literature I ★       | 3  |    |
|  | ENGL 320 | American Literature II ★      | 3  |    |
|  | ENGL 402 | World Literature★             | 3  |    |
| <b>Global Community (3 credits)</b>                    |          |                               |    |    |
|  | GES 201  | Latin America & the Caribbean | 3  |    |
|  | GES 204  | Post-Soviet Union             | 3  |    |
|  | GES 242  | Geography of Religion         | 3  |    |
|  | GES 303  | Asia                          | 3  |    |
|  | GES 308  | Europe                        | 3  |    |
|  | GES 309  | Africa                        | 3  |    |
| <b>Science, Technology and Mathematics (3 credits)</b> |          |                               |    |    |
| R  | MATH 310 | Elementary Math II ★          | 3  |    |

#### OTHER BASIC REQUIREMENTS

Check with your advisor or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree

|          |                   |   |  |
|----------|-------------------|---|--|
| ACSD 110 | Beginning Algebra | 3 |  |
|----------|-------------------|---|--|

#### COMPUTER COMPETENCY (for students entering Fall 2008 and after)

Students must demonstrate "computer competency" by:

|    |             |   |       |  |
|----|-------------|---|-------|--|
|    | Passed Exam | Pass Computer Competency Exam at SRU Orientation  |       |  |
| OR | CPSC _____  | Complete one of the following courses: CPSC 100, 110, 130 or 210 at SRU or another post-secondary institution | 1 - 3 |  |

#### Academic Certification & Major Requirements

For Student Teaching & Certification – All grades in Professional Education & Specialization Must be Grades "C" or above.

#### IMPORTANT CURRICULUM GUIDE NOTES

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisors to ensure accurate progress towards degree completion. *The information on this guide is current as of the date below. Students are responsible for curriculum requirements at the time of enrollment at the University.*

★ Indicates this course may have a prerequisite. Refer to the Undergraduate Online Catalog.

R Required Course

| PROFESSIONAL EDUCATION REQUIREMENTS<br>(49 credits)                      |          |                                    |    |    |
|--|----------|------------------------------------|----|----|
| ✓  | Course   | Title                              | Cr | Gr |
| <b>Note: SPED 315 &amp; SEFE 456 must be taken in the same semester.</b> |          |                                    |    |    |
|  | SPED 121 | High Incidence Disabilities        | 3  |    |
|  | SEFE 230 | Prod. & Utilization of Inst. Tech. | 3  |    |
|  | SEFE 270 | Educ. Meas., Assess., & Eval★      | 3  |    |
|  | SEFE 245 | Middle-Level Learning Theory       | 3  |    |
|  | SEFE 250 | Pre/Early/Adol. Development        | 3  |    |
|  | SEFE 300 | Middle Level Cognitive Dev.        | 3  |    |
|  | SEFE 326 | ELL Strategies and Practices       | 3  |    |
|  | SEFE 325 | Teaching in the Middle School      | 3  |    |
|  | SEFE 349 | Teaching Middle-Level Science      | 3  |    |
|  | SEFE 338 | Inst/Assess Inklus., Classroom     | 3  |    |
|  | SEFE 422 | Practicum Middle-Level Grades      | 1  |    |
|  | SEFE 380 | History & Philosophy of Educ. ★    | 3  |    |
|  | SPED 315 | SPED Issues in Div. Classroom★     | 3  |    |
|  | SEFE 456 | Student Teaching – Mid. Level      | 12 |    |

| SCIENCE CERTIFICATION SPECIALIZATION<br>(30 credits total)               |                |                                |    |    |
|--|----------------|--------------------------------|----|----|
| 9 credits from Liberal Studies courses                                   |                |                                |    |    |
| 21 credits from Science Certification Specialization courses             |                |                                |    |    |
| ✓  | Course         | Title                          | Cr | Gr |
| <b>Select 21 credits from the following list</b>                         |                |                                |    |    |
|  | BIOL 105       | Environmental Biology          | 3  |    |
|  | CHEM 108/112   | General Chemistry II / Lab ★   | 4  |    |
|  | EGEO 101/111   | Physical Geology / Lab ★       | 4  |    |
|  | EGEO 201       | Earth Materials and Processes★ | 3  |    |
|  | or<br>EGEO 121 | or<br>Meteorology / Lab        |    |    |
|  | PHYS 201       | Elements of Physics I / Lab    | 4  |    |
|  | PHYS 202       | Elements of Physics II / Lab ★ | 4  |    |
|  | PHYS 317       | Space Science                  | 3  |    |
| COMPETENCY   |                |                                |    |    |
| <b>CPR/First Aid &amp; Safety Certifications or SAFE 205 is Required</b> |                |                                |    |    |

**Complete “Admission to Teacher Education” Form in sophomore year and prior to registering for SEFE 335 and subsequent 300 level Professional Education courses.**

**PRAXIS – Required for Certification**

- \*\* PPST Reading – Sophomore (48 credits)
- \*\* PPST Writing – Sophomore
- \*\* PPST Math – Sophomore
- Specialization – Senior Year (Before Student Teaching) – Middle-Level Science

**If pursuing two or more certifications, you must take the specialization area for each certification area.**

\*\* Must be completed or in progress prior to Admission to Teacher Education.

| TOTAL CREDITS REQUIRED<br>MIDDLE LEVEL SCIENCE |   |                   |
|--|---|-------------------|
| SCIENCE  | = | 30 credits        |
| ENGLISH  | = | 12 credits        |
| SOCIAL STUDIES                                 | = | 12 credits        |
| MATH   | = | 12 credits        |
| TOTAL  | = | 122 – 123 credits |

**Early Field Experience  
Stages 1 & 2 Observation and Exploration**

The College of Education/SEFE at Slippery Rock University requires a minimum of twenty hours in a diverse setting and twenty hours in a content setting for a total of forty (40) contact hours with middle-level 4-8 pupils prior to application for Admission to the College of Education. This early experience is subject to the following regulations:

- The contact hours may be observation, assistance, or direct participation.
- A minimum of twenty (20) contact hours must be with school age pupils in a diverse formal teaching/learning experience under the direction of a certified teacher. This experience will serve to acquaint the teacher candidate with the multiplicity of elements in today’s classroom environment.
- A minimum of twenty (20) contact hours must be with school age pupils in middle-level 4-8 pupils teaching/learning experience under the direction of a certified teacher. This experience will serve to acquaint the teacher candidate with the multiplicity of elements in today’s classroom environment.

Student’s Name: \_\_\_\_\_

Advisor’s Name: \_\_\_\_\_

Date: \_\_\_\_\_