



**Secondary Earth Science Education Certification Only**  
**Non-degree seeking Certification Only in Secondary Earth Science Education, Grades 8-12**  
**(This program does not lead to a degree)**

**Admission Requirements:**

To be admitted into this program, candidates must meet all minimal criteria described on the “Transition Points” page under “Transition Point 1: Admission to Education Preparation Programs.”

| <b>Science/Math Education Component—37 hours</b> |        | <b>Specialty Studies – Geology Major</b>                                  |       |
|--|--------|---|-------|
| SMED 101 – Step 1                                | 1 hr.  | <b>REQUIRED CORE GEOLOGY COURSES (Total = 21 hrs)</b>                     |       |
| SMED 102 – Step 2                                | 2 hrs. | GEOL 111/113 - The Earth and Lab  | 4 hrs |
| SMED 310 – Knowing & Learning                    | 3 hrs. | GEOL 112/114 – Earth History and Lab                                      | 4 hrs |
| SMED 320 – Classroom Interactions                | 3 hrs. | GEOL 360 –Sedimentology and Stratigraphy                                  | 4 hrs |
| SPED 330 – Diversity in Learning                 | 3 hrs. | GEOL 380 – Introductory Field Techniques                                  | 3 hrs |
| SMED 340 – Perspectives                          | 3 hrs. | GEOL 408 – Structural Geology   | 4 hrs |
| SMED 360 – Research Methods                      | 3 hrs. | GEOL 499 – Professional Preparation in Geology                            | 2 hrs |
| SMED 470 – Project-based Instruction             | 3 hrs. | <b>REQUIRED GEOLOGY ELECTIVES (Total = 6 hrs)</b>                         |       |
| LTCY 421 – Reading for Middle/Second             | 3 hrs. | GEOL 311 – General Oceanography   | 3 hrs |
| SMED 489 – Student Teaching Seminar              | 3 hrs. | GEOL 325 – Introduction to Minerals and Rocks                             | 3 hrs |
| SEC 490 – Student Teaching                       | 10 hrs | <b>APPROVED GEOLOGY ELECTIVES (Total = 6 hrs selected from this list)</b> |       |
|  |        | GEOL 270 – Analytical Techniques in Geology                               | 3 hrs |
|  |        | GEOL 310 – General Hydrology  | 3 hrs |
|  |        | GEOL 330 – Mineralogy   | 4 hrs |
|  |        | GEOL 350 – Petrology  | 4 hrs |
|  |        | GEOL 405 – Paleontology   | 4 hrs |
|  |        | GEOL 420 – Geomorphology  | 4 hrs |
|  |        | GEOL 485 – Geology of Fossil Fuels  | 3 hrs |
|  |        | <b>ADDITIONAL REQUIRED ELECTIVES (Total = 19 hrs)</b>                     |       |
|  |        | GEOG 121 – Meteorology  | 3 hrs |
|  |        | ASTR 104 – Astronomy of the Solar System                                  | 3 hrs |
|  |        | ASTR 106 – Astronomy of Stellar Systems                                   | 3 hrs |
|  |        | ASTR 405 – Astronomy for Teachers   | 3 hrs |
|  |        | PHYS 201 – College Physics (lecture and lab)                              | 4 hrs |
|  |        | MATH 116 – College Algebra  | 3 hrs |
|  |        |   |       |

**Mid-Point Assessment Requirements:**

To be admitted into the Student Teaching Semester, candidates must meet all minimal criteria described under “Transition Point 2: Admission to Final Clinical Experience.”

**Program Completion Requirements:**

4. To complete a teacher preparation program, candidates must meet all minimal criteria described under “Transition Point 3: Program Exit.”
5. Note that additional requirements (described below) must be met in order to be recommended for initial certification.
6. Rules and regulations governing the completion of this program of study have been described above and on the next page. By your signature, you are acknowledging that you understand and accept responsibility for meeting these requirements.

**Delineation of EPP-Wide Transition Points – Initial Preparation Program**

| <b>Transition Point 1: Admission to Education Preparation Programs</b>  |   |                     |                            |                                |
|---|---|---------------------|----------------------------|--------------------------------|
| <i>Data Reviewed</i>  | <i>Minimal Criteria</i>   | <i>Review Cycle</i> | <i>Reviewed By</i>         | <i>Approved By</i>             |
| <b>Unit Level Data:</b>   |   |                     |                            |                                |
| <b>Admission to Teacher Education</b>   |   |                     |                            |                                |
| <ul style="list-style-type: none"> <li>• Documentation of completion of baccalaureate degree in an approved certification area</li> <li>• Cumulative GPA</li> <li>• CASE test scores</li> <li>• Application to include:                             <ul style="list-style-type: none"> <li>– 3 faculty recommendations</li> <li>– Physical (including TB test)</li> <li>– KY criminal background check</li> <li>– Signed KY Code of Ethics</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>• Completion of Application</li> <li>• 2.75+ average or above</li> <li>• Minimum CASE scores required as defined by current state guidelines (demonstrates Critical Thinking and Communication Skills)</li> <li>• 3 positive faculty recommendations (demonstrates their dispositions for teaching indicating their creativity and collaboration skills)</li> <li>• Passing physical</li> <li>• Passing background checks</li> </ul> | Each Month          | Office of Teacher Services | Professional Education Council |
| <b>Transition Point 2: Admission to Final Clinical Experience</b>   |   |                     |                            |                                |
| <i>Data Reviewed</i>  | <i>Minimal Criteria</i>   | <i>Review Cycle</i> | <i>Reviewed By</i>         | <i>Approved By</i>             |
| <b>Unit Level Data</b>  |   |                     |                            |                                |
| <b>Successful application to Student Teaching</b>   |   |                     |                            |                                |
| <ul style="list-style-type: none"> <li>• GPAs and at least 90+ hours completed (including 75% of content courses)</li> <li>• Completion of required field hours (dependent on current certification status)</li> <li>• Completion of Key Assessments</li> <li>• Dispositions scores</li> </ul>  | <ul style="list-style-type: none"> <li>• 2.75+ GPA (overall, major, minor, and professional education courses); C or higher in all professional education courses</li> <li>• At least 200 hours documented based on requirements of 16 KAR 5:040</li> <li>• 2+ holistic score; 2+ per KTS measured</li> <li>• All dispositions average “At Standard” (3+)</li> </ul>  | Each Semester       | Office of Teacher Services | Professional Education Council |
| <b>Transition Point 3: Program Exit</b>   |   |                     |                            |                                |
| <i>Data Reviewed</i>  | <i>Minimal Criteria</i>   | <i>Review Cycle</i> | <i>Reviewed By</i>         | <i>Approved By</i>             |
| <b>Unit Level Data:</b>   |   |                     |                            |                                |
| <b>Program Exit</b>   |   |                     |                            |                                |
| <ul style="list-style-type: none"> <li>• Candidate student teaching</li> <li>• Teacher Work Sample scores</li> <li>• Dispositions scores</li> </ul>   | <ul style="list-style-type: none"> <li>• C or Higher</li> <li>• 2+ holistic score; 2+ per KTS measured</li> <li>• All scores “At Standard” (3+)</li> </ul>  | Each Semester       | Office of Teacher Services | Certification Officer          |

**To be recommended for initial certification, an applicant must document:**

Completion of an approved educator preparation program in each desired certification area; Passing score(s) on the appropriate PRAXIS II and PLT exam(s) or other assessments required for each desired certification area; Achievement of at least a 2.75 GPA overall, in each major and minor, and in professional education courses; Attainment of at least a “C” in all professional education courses, including student teaching.

**Remediation Opportunities:**

**TP 1:** Candidates may continue to submit Faculty Recommendations until three are positive.

**TP 2:** Candidates may request additional instruction from faculty and may resubmit Key Assessments in order to improve their scores.

**TP 3:** Candidates may request additional instruction from faculty and may resubmit the Teacher Work Sample Key Assessment in order to improve their score. Candidates may repeat student teaching.

**EPSB Disclaimer:** Teacher certification requirements are subject to change. Before registering for the test(s), please refer to the Education Professional Standards Board (EPSB) website at [www.epsb.ky.gov](http://www.epsb.ky.gov) for current requirements or contact the Division of Professional Learning and Assessment at 502-564-4606 or toll free 888-598-7667.

By signing below, the candidate ensures that he or she has been advised of, understands, and agrees to adhere to all program requirements, including assessment requirements, of the program.

**Candidate Name (printed):**

**Education Advisor's Signature/Date:**

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Signature

Date

**Candidate Signature/Date:**

**Specialization Advisor's Signature/Date (if needed):**

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Signature

Date

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Signature

Date

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**\*\*END OF CURRICULUM CONTRACT\*\***