

**Masters of Arts in Teaching (M.A.T.) Degree  
Science Education Program  
Department of Mathematics and Science Education  
University of Georgia**

**Instructions for Certification Portfolio**

A. Include in your portfolio a copy of each of the artifacts listed below, together with a reflective, evaluative commentary, of approximately half of a single-spaced page in length for each one. At this point in your professional development, how do you now view each of these earlier efforts? What reactions do you have, if any, to the evaluative comments or suggestions provided by your Block I and II instructors/supervisors about those efforts?

1. ESCI 6450 – Secondary Science Curriculum – The Unit Plan
2. ESCI 6460 – Secondary Science Methods – The Safety Assessment materials
3. ESCI 7460 – Student Teaching – The Unit Plan
4. ESCI 7470 – Reflections on Teaching Secondary Science – The assignments that you have created for this course that demonstrate evidence of your teaching skill and the evidence of student learning.
5. ESCI 7460 – Student Teaching – Evaluative feedback received from your Cooperating Teacher
6. ESCI 7460 – Student Teaching – Evaluative feedback received from your University Supervisor

B. Compose an essay, of approximately 5 single spaced pages in total length, addressing the three issues listed below, in light of your knowledge of the 2003 NSTA Science Teaching Standards (<http://www.nsta.org/main/pdfs/NSTASTandards2003.pdf>) and based upon reflection about your growth across the four or more semesters you have spent in the program:

1. Of the "Big Ideas" about science teaching that you have been exposed to in the program, which do you personally find most significant, powerful, and therefore of lasting importance in your current and future professional life? Which such ideas have you found to be distinctly less so? For both kinds of cases, why?
2. Provide specific narrative examples from your practicum and student teaching experiences illustrating your point of view as expressed in #1. Include both particularly positive or satisfying experiences and negative or frustrating experiences.

3. Based on the analysis in #1 and #2, describe some examples, both in general principle and some specific applications, of aspects of your teaching practice that you are committed to doing differently in the short-term and long-term future.

Summary/Reminder: length guidelines (shorter could be better, longer is not necessarily better)

Part A: 3 single-spaced pages total of commentary, in addition to the original documents

Part B: 5 single-spaced pages total