ALABAMA STATE DEPARTMENT OF EDUCATION
EDUCATOR PREPARATION

2021 Code

Program: Secondary Math Education (6-12)

Total Hours: 122

CLASS B EDUCATION PROGRAM CHECKLIST

Institution: Auburn University at Montgomery

Date Approved:
Date Expires:
Revisions:

General Studies

Humanities: (Shall include at least 12 hours of English Language Arts for Early Childhood, Elementary, and Special Education programs.)

ENGL 1010 English Comp. I	3
ENGL 1020 English Comp. II	3
COMM 2100 Med. & Cult. or 1010 Intro Human Com.	3
Literature Elective	3
Literature, Humanities, or Fine Arts Elective	3
Fine Arts Elective	3

Social Studies: (Shall include at least 12 hours for Early Childhood, Elementary, and Special Education programs.)

History Elective	3
History or Social Science Elective	3
Social Science Elective	3
Social Science Elective	3

Science: (Shall include at least 12 hours for Early Childhood, Elementary, and Special Education programs.)

Science Elective PHYS/CHEM/PSCI lecture	3
Science Elective Lab PHYS/CHEM/PSCI lab	1
Science Elective PHYS/CHEM/PSCI lecture	3
Science Elective Lab PHYS/CHEM/PSCI lab	1

Mathematics: (Shall include at least 12 hours for Early Childhood, Elementary, and Special Education programs.)

MATH 1610 Calculus I	4

Other:

UNIV 1000 University Success OR Elective	2-3

Professional Studies

(FE) FNDS 1010 Step 1: Inquiry Approaches to Teaching	1
(FE) FNDS 1020 Step 2: Inquiry Approaches to Teaching	1
(FE) SCED 3000 Knowing & Learning in Science & Math	3
*(FE) SCED 3050 Classroom Interactions	3
(FE) SCED 3100 Problem-Based Instruction	3

*Denotes approved survey course.
**The listing of EVERY course except the internship that requires a field experience should be preceded by (FE).

Internship: SCED 4944 Apprentice Teaching	6
SCED 4954 Apprentice Teaching Seminar	1

Teaching Field*

Most teaching fields require an academic major as defined in Rule 290-3-3-.01(2). List all courses required for the teaching field.

Teaching Field Specific Methods Course(s):

MATH 1620 Calculus II	4
MATH 3000 Intro to Higher Math	3
MATH 2630 Multivariable Calculus	4
MATH 2660 Linear Algebra or 3660 Appl. Lin. Alg.	3
STAT 4670 Mathematical Statistics	3
MATH 3690 Differential Equations	3
MATH 4210 Analysis I	3
MATH 4110 History of Mathematics	3
MATH 4200 Discrete Math or 4300 Number Theory	3
MATH 4310 Modern Algebra I	3
MATH 4470 Foundations of Plane Geometry	3
CSCI 1110 Intro to Programming with Python	3
CSCI 1111 Intro to Programming with Python lab	1
MATH 4932 or MATH 4924 or MATH 4950	2
STAT 3000 Statistics with R Programming	3
MATH 4400 Models and Simulations	3
MATH 4000 Electives (2)	6
MATH/STAT 3000/4000 Elective	3
ENGL 3030 Technical Writing	3

***English Language Arts** shall include courses in literature, grammar, reading skills, writing, speech, drama/theatre, and print or broadcast journalism. **General Social Studies** shall include courses in economics, geography, history, and political science. **General Science** shall include courses in biology, chemistry, Earth and space sciences, and physics.
****The teaching field for programs in **Early Childhood Education**, **Elementary Education**, **Collaborative Special Education (K-6)** and **Collaborative Special Education (6-12)** shall require no less than nine semester hours of reading or literacy coursework, or both, based on the science of learning to read, including multisensory strategies in foundational reading skills.

Dean of Education:
Date 11/29/2023   *Kellie A. Shumack*