

**DALTON STATE COLLEGE ~ SCHOOL OF EDUCATION
SECONDARY BIOLOGY CERTIFICATION PROGRAM OF STUDY**

Name _____

6/2014 v1

AREA A - Essential Skills-must have "C" or above	9	Grade	AREA E – Social Sciences	12
ENGL 1101 English Composition I	3		HIST 2111 or 2112 United States History	3
ENGL 1102 English Composition II	3		POLS 1101 American Government	3
MATH 1113* Precalculus	3			
* (Prerequisite: MATH 1111, or one year of high school math above Algebra II) MATH 2253 may be used if the student meets the prerequisites. The additional area of credit will be applied to the upper level curriculum courses			ANTH 1103, ECON 2105, 2106, GEOG 1100, 1111, 1101, HIST 1111, 1112, 2111, 2112, PHIL 1103, 2010, 2020, POLS 2101, 2201, 2301, 2401, PSYC 1101 (Required for EDUC 2110, 2120, & 2130. 2101, 2204, 2250, SOCI 1101, 1160	6
AREA B – Institutional Options	4-6		AREA F – Major Related	19
COMM 1110 Fundamentals of Speech (Required for EDUC 2110, 2120, & 2130)	3		BIOL 1107K Principles of Biology I (Must be passed with C or above)	4
Elective: BIOL 1001, COMM 1120, ENGL 1105, 1110, HIST 1050, 1051, HUMN 1000, 1100, PHED 1030, SOCI 1000	1		BIOL 1108K Principles of Biology II (Must be passed with C or above)	4
AREA C – Humanities/Fine Arts ENGL 1201, 2111, 2112, 2120, 2121, 2130, 2131; ARTS 1100, HUMN 1201, 1202, MUSC 1100, 1120, or THEA 1100	6		Prior to enrollment in EDUC 2110, 2120, & 2130, students must: complete of Area A with Cs or above, complete PSCY 1101 and COMM 1110, with a C or above, have an approved Background Check, have proof of professional Liability Insurance, complete Mandated Reporter Training, pass an Ethic Assessment. EDUC 2110 (Must pass with C or above)	3
			EDUC 2120 (Must pass with C or above)	3
			EDUC 2130 (Must pass with C or above)	3
			BIOL 2270 Ethical Issues in Science	2
AREA D – Science/Mathematics	12			
MATH 2253 Calculus & Analytic Geometry I	4		PHYSICAL EDUCATION	
CHEM 1211K Principles of Chemistry I	4		PHED Activity Elective	1
CHEM 1212K Principles of Chemistry II	4			
Professional Education Semester 1 (PES I) ~ Prior to being allowed to enroll in PES I, students must: 1.) be accepted in to the Secondary Ed Program; 2.) have passing scores on the GACE Program Admissions Exams or show evidence of exemption; 3.) have completed BIOL 1107K and BIOL 1108K, with grade of C or above, 4.) have a cumulative GPA 2.7 5.) attend a Secondary Orientation Session; and 6.) have passed EDUC 2110, 2120, and 2130 with a C or above 7.) have completed 30 credit hours. ~ EDUC 3902 and EDUC 3272 must be taken concurrently				
EDUC 3902 Curriculum & Assessment for Secondary Math/Science Teachers (Must pass with a C or above)				3
EDUC 3272 Classroom Management Seminar and Field Experience I (Must pass with a C or above)				2
Professional Education Semester 2 (PES II) ~ EDUC 4901 and EDUC 3273 must be taken concurrently				
EDUC 4901 Methods and Strategies for Secondary Teachers (Must pass with a C or above)				3
EDUC 3273 Classroom Management Seminar and Field Experience II (Must pass with a C or above)				2
Professional Education Semester 3 (PES III) ~ EDUC 3120 and EDUC 3274 must be taken concurrently				
EDUC 3120 Teaching Diverse Learners (Must pass with a C or above)				3
EDUC 3274 Classroom Management Seminar and Field Experience III (Must pass with a C or above)				2
Professional Education Semester 4 (PES IV) ~ Students must have completed of 24 credit hours of Biology within the curriculum , passed with grade of C or above, before being allowed to enter PES IV-Student Teaching ~ EDUC 4952, EDUC 4953 and READ 3456 must be taken concurrently				
EDUC 4952 Internship for Secondary Education Biology (Must make a "Satisfactory")				8
EDUC 4953 Internship Seminar (Must make a "Satisfactory")				1
READ 3456 Reading Across the Curriculum for Secondary Teachers (Must pass with a C or above)				3
MAJOR CURRICULUM – All courses must be passed with grade of C or above				35
BIOL 3000 Research Methods, BIOL 3200K Cellular Biology, BIOL 3400K Genetics, BIOL 3500K Ecology, BIOL 3510K Plant Biology, BIOL 4250 Evolution, BIOL 4000 Senior Seminar, CHEM 3211K Organic Chemistry I, CHEM 3212K Organic Chemistry II, MATH 2200 Introduction to Statistics				
ELECTIVE CURRICULUM (choose one)				4-5
BIOL 3300 Developmental Biology, BIOL 3340 General Microbiology, BIOL 3520K Invertebrate Zoology, BIOL 3550 Conservation Biology, BIOL 4100 Immunology, BIOL 4275 Bio/Phytoremediation, BIOL 4360K Comparative Anatomy and Physiology of Vertebrates, BIOL 4410K Molecular Biology, BIOL 4500K Biotechnology, BIOL 4900 Special Topics in Biology				
In order to be recommended for teacher certification, the teacher candidate must: 1.) successfully pass all courses and field experiences; 2.) must apply to the SOE for recommendation to take the Biology GACE Content Exams. Application may be made after successful completion of 20 credit hours from the Biology Major Curriculum area; 3.) must pass both sections of the Biology GACE Content Exams.				