



School of Education



Aiken Technical College

### Course Requirements-Secondary-Chemistry: 2020-2021

Name: \_\_\_\_\_ VIP ID: \_\_\_\_\_

Course Requirement	Credit Hours	Semester	Grade	ATC Course
ENGL A101*- Composition	3			ENG 101
ENGL A102*-Composition & Literature	3			ENG 102
MATH A141*-Calculus	3			MAT 140
MATH A142*-Calculus II	3			MAT 141
COMM A241* (or A201)-Public Speaking (or Interpersonal)	3			SPC 205
Foreign Language I*-FREN, GERM, SPAN-check placement	4			FRE/GER/SPA 101
Foreign Language II-2 semesters of the same language required	4			FRE/GER/SPA 102
Biological Science I-BIOL A121*	4			BIO 101, 105
Physics I: PHYS A201, or A211	4			PHY 201 or 221
Social/Behavioral Science-SOCY, GEOG, ECON, POLI, PSYC	3			PSY 201
Social/Behavioral Science-2 areas	3			SOC 101
Humanities-ARTH, MUSC, THEA, PHIL, RELG, HONS, etc.	3			MUSC 105, REL 103, etc.
Humanities-see above	3			
English Literature Course-ENGL A280+	3			ENG 200+
US History-HIST A201, HIST A202, or POLI A201	3			HIS 201 or 202 or PSC 201
History of Civilization- HIST A101 or HIST A102	3			HIS 101 OR 102

Pre-Professional Course Requirement*	Cr Hr	Semester	Grade	Attribute
EDUC A245-Technology Integration	2			
EDFN A321-Dynamics of American Public Education	3			
EDPY A334-Adolescent Growth & Dev	3			
EDRD A318-Foundations in Reading & Assessment	3			
EDSE A312-Teaching Diverse Populations	3			

Professional Program Course Listing*	Cr Hr	Semester	Grade	Attributes
<b>Spring Professional Program</b>				
EDRD A518- Content Area Reading/Writing	3			
EDSE A446-Classroom Management & Assessment	4			
<b>Fall Professional Program</b>				
EDSE A453-Teaching Science in High School	4			
<b>Student Teaching</b>				
EDSE A471-Internship	12			
EDSE A476-Senior Seminar	3			

Subject Area Course Requirement*	Cr Hr	Semester	Grade	ATC
BIOL A541-Biochemistry	3			
CHEM A111-General Chemistry I	4			CHM 110
CHEM A112-General Chemistry II	4			CHM 111
CHEM A310-Research Methods in Chemistry	1			
CHEM A311 & L-Introduction to Inorganic & Lab	4			
CHEM A321 & L-Quantitative Analysis & Lab	4			
CHEM A331 & L-Organic I & Lab	1			
CHEM A332 & L-Organic II & Lab	3			
CHEM A511 & L-Inorganic Chemistry & Lab	4			
CHEM A522-Instrumental Analysis	5			
CHEM A541 & L-Physical Chemistry I & Lab	4			
CHEM A542 & L-Physical Chemistry II & Lab	4			
CHEM A499-Senior Research	3			
PHYS A202 or A212-Physics II	4			PHY 202 or 222

\*must pass course with "C" or better