

**Adolescent/ Young Adult Biology/Life Science (grades 7 – 12) Audit Sheet  
Course Work (69 hours)**

**Major: Biology**

<b>Course</b>	<b>Hrs</b>	<b>Semester Completed</b>
BIOL 101 Modern Biology	3	
BIOL 102 Environmental Biology	3	
BIOL 105 Biology Lab I	1	
BIOL 106 Biology/Lab II	1	
BIOL 131 Introduction to Cellular Biology	3	
BIOL 133 Integrative Biology	3	
BIOL 202 General Microbiology	4	
BIOL 203 Human Physiology	3	
BIOL 212 Human Anatomy	4	
BIOL 230 Zoology	4	
BIOL 309 Cell Biology	4	
BIOL 318 Ecology	3	
BIOL 330 Genetics	3	
BIOL 340 Toxicology	4	
BIOL 380 Research Methods	1	
BIOL 490 Biology Research	3	
CHEM 131 General Chemistry I	3	
CHEM 133 General Chemistry Lab I	1	
CHEM 132 General Chemistry II	3	
CHEM 134 General Chemistry Lab II	1	
PHYS 101 Explorations in Physics	4	
ENVR 210 Environmental Science	3	
PSYC 285 Statistics for the Behavioral Sciences	4	
<b>Total Hours Required</b>	<b>69</b>	

**Professional Education Courses (40 Hours)**

<b>Course</b>	<b>Hrs</b>	<b>Semester Offered</b>
EDUC 110 Principles of Education	3	FL, SP
EDUC 151 AYA Initial Field Experience	1	FL, SP
EDUC 202 Educational Psychology	3	FL, SP
PSYC 207 Adolescent Development	3	SP
EDUC 253/251 Diverse Learners	3/0	FL, SP
EDUC 350* Assessment	3	FL
EDUC 360* Reading in the Content Area	3	FL
EDUC 323* General Methods/Field Experience	3	FL
EDUC 456* Science Methods/Field Experience	3	FL
EDUC 440** Education Capstone Seminar	3	FL, SP
EDUC 452** Culture and Gender Issues in the Classroom	3	FL, SP
<b>Required for Teacher Licensure Only</b>		
EDUC 480** Internship – Adolescent/Young Adult	9	FL, SP

**\*Admission to Professional Licensure Program Required**

**\*\*Admission to Internship Semester Required**

**Adolescent/ Young Adult Biology/Chemistry (grades 7 – 12) Audit Sheet**  
**Course Work (66-67 Hours)**  
**Major: Biochemistry**

Course	Hrs	Semester Completed
BIOL 101 Modern Biology	3	
BIOL 105 Biology Lab I	1	
BIOL 106 Biology/Lab II	1	
BIOL 131 Introduction to Cellular Biology	3	
BIOL 202 General Microbiology	4	
BIOL 309 Cell Biology	4	
BIOL 318 Ecology	3	
BIOL 330, 331 Genetics	3	
BIOL 340 Toxicology	4	
BIOL 430 Immunology	1	
CHEM 131 General Chemistry I	3	
CHEM 133 General Chemistry Lab I	1	
CHEM 132 General Chemistry II	3	
CHEM 134 General Chemistry Lab II	1	
CHEM 231 Quantitative Analysis	4	
CHEM 303, 305 Organic Chemistry / Lab	4	
CHEM 304, 306 Organic Chemistry II /Lab	4	
CHEM 420, 422 Biochemistry/ Lab	4	
MATH 125 Calculus	4	
PHYS 211 College Physics I	4	
PHYS 212 College Physics II	4	
Capstone: BIOL 380 and 480 or 490 or CHEM 495/496	3 - 4	
<b>Total Hours Required</b>	<b>66-67</b>	

**Professional Education Courses (40 Hours)**

Course	Hrs	Semester Offered
EDUC 110 Principles of Education	3	FL, SP
EDUC 151 AYA Initial Field Experience	1	FL, SP
EDUC 202 Educational Psychology	3	FL, SP
PSYC 207 Adolescent Development	3	SP
EDUC 253/251 Diverse Learners	3/0	FL, SP
EDUC 350* Assessment	3	FL
EDUC 360* Reading in the Content Area	3	FL
EDUC 323 * General Methods/Field Experience	3	FL
EDUC 456* Science Methods/Field Experience	3	FL
EDUC 440** Education Capstone Seminar	3	FL, SP
EDUC 452** Culture and Gender Issues in the Classroom	3	FL, SP
<b>Required for Teacher Licensure Only</b>		
EDUC 480** Internship – Adolescent/Young Adult	9	FL, SP

**\*Admission to Professional Licensure Program Required**

**\*\*Admission to Internship Semester Required**

**Adolescent/ Young Adult Physics (grades 7 – 12) Audit Sheet**  
**Course Work (63 Hours)**  
**Major: Applied Physics**

Course	Hrs	Semester Completed
<b>Required Courses for Applied Physics Major</b>		
PHYS 221 General Physics I	4	
PHYS 222 General Physics II	4	
PHYS 321 Modern Physics	3	
PHYS 325 Mathematical Methods for Physics	3	
PHYS 331 Experimental Physics I	2	
PHYS 332 Experimental Physics II	2	
PHYS 491 Physics Research I	1	
PHYS 492 Physics Research II	2	
CHEM 131 General Chemistry I	4	
CHEM 133 General Chemistry II	4	
CSCI 115 Computer Programming I	3	
MATH 125 Calculus I	4	
MATH 224 Calculus II	4	
MATH 225 Calculus III	4	
MATH 302 Differential Equations	3	
<b>Additional Courses for AYA Licensure</b>		<b>16</b>
BIOL 101/105 Modern Biology/ Intro Biology Lab	3/1	
GEOL 101/101L Environmental Geology/Lab	4	
ASTR 105/105L Intro to Astronomy/Lab	4	
<b>Total Content Hours Required</b>		<b>63</b>
<b>Professional Education Courses</b>		
EDUC 110 Principles of Education or	3	FL, SP
EDUC 151 AYA Initial Field Experience	1	FL, SP
EDUC 202 Educational Psychology	3	FL, SP
PSYC 207 Adolescent Development	3	SP
EDUC 253/251 Diverse Learners	3/0	FL, SP
EDUC 350* Assessment	3	FL
EDUC 360* Reading in the Content Area	3	FL
EDUC 323* General Methods/Field Experience	3	FL
EDUC 456* Science Methods/Field Experience	3	FL
EDUC 440** Education Capstone Seminar	<b>3</b>	FL, SP
EDUC 452** Culture and Gender Issues in the Classroom	<b>3</b>	FL, SP

**\*Admission to Professional Licensure Program Required**

**\*\*Admission to Internship Semester Required**

**Adolescent/ Young Adult Integrated Language Arts Audit Sheet**  
**Course Work (43 Hours)**  
**Major: English**

Course	Hrs	Semester Completed
<b>Core Language Arts</b>	<b>43</b>	
WRIT 110 English Composition	3	
ENGL 121 Responding to Writing	1	
WRIT 290 Creative Writing	3	
ENGL 201 Literary Culture of Great Britain I	3	
ENGL 202 Literary Culture of Great Britain II	3	
ENGL 203 Literary Culture of the U.S. I	3	
ENGL 204 Literary Culture of the U.S. II	3	
ENGL 235 Concepts of Gender <b>or</b> ENGL 220 Concepts of Diversity	3	
ENGL 324 African American Literature	3	
EMGL 372 Literary Theory	3	
ENGL 380 Applications of English for Teaching	3	
COMM 101 Fundamentals of Oral Communication	3	
COMM 201 Fundamentals of Oral Interpretation	3	
THEA 101 Theatre Appreciation	3	
MASS 101 Mass Media and Society	3	
<b>Additional English Major Courses</b>	<b>21</b>	
<b>Professional Education Courses</b>	<b>43</b>	<b>Semester Offered</b>
EDUC 110 Principles of Education	3	FL, SP
EDUC 151 AYA Initial Field Experience	1	FL, SP
EDUC 202 Educational Psychology	3	FL, SP
PSYC 207 Adolescent Development	3	SP
EDUC 253/251 Diverse Learners	3/0	FL, SP
EDUC 350* Assessment	3	FL
EDUC 360* Reading in the Content Area	3	FL
EDUC 323* General Methods/Field Experience	3	FL
EDUC 456* Language Arts Methods/Field Experience	3	FL
EDUC 440** Education Capstone Seminar	<b>3</b>	FL, SP
EDUC 452** Culture and Gender Issues in the Classroom	<b>3</b>	FL, SP

**\*Admission to Professional Licensure Program Required**

**\*\*Admission to Internship Semester Required**

**Adolescent/Young Adult Integrated Mathematics (grades 7 – 12) Audit Sheet**  
**Course Work (36 Hours)**  
**Major: Mathematics**

Course		Hrs	Semester Completed
<b>Core Mathematics</b>		<b>36</b>	
MATH 114	Geometry for Teachers	3	
MATH 125	Calculus I	4	
MATH 224	Calculus II	4	
MATH 225	Calculus III	4	
MATH 223 or 257	Statistics	3	
MATH 301	Foundations of Mathematics	3	
MATH 302	Differential Equations	3	
MATH 304	Linear Algebra	3	
MATH 451	Geometry	3	
MATH 453	Abstract Algebra	3	
CSCI 115	Computer Programming I	3	
<b>Additional Mathematics Major Courses</b>		<b>11</b>	
<b>Professional Education Courses</b>		<b>40</b>	
EDUC 110	Principles of Education	3	FL, SP
EDUC 151	AYA Initial Field Experience	1	FL, SP
EDUC 202	Educational Psychology	3	FL, SP
PSYC 207	Adolescence	3	SP
EDUC 253/251	Diverse Learners / Field Experience	3	FL, SP
EDUC 350*	Assessment	3	FL
EDUC 360*	Reading in the Content Area	3	FL
EDUC 323*	General Methods/ Field Experience	3	FL
EDUC 455*	Mathematics Methods/ Field Experience	3	FL
EDUC 440**	Education Capstone Seminar	3	FL, SP
EDUC 452**	Culture and Gender Issues	3	FL, SP
EDUC 480**	AYA Internship	9	FL, SP

**\*Admission to Professional Licensure Program Required**

**\*\*Admission to Internship Semester Required**

**Adolescent/Young Adult Integrated Social Studies (grades 7 – 12)**  
**Audit Sheet**  
**Course Work (57 hours)**  
**Major: History**

<b>Core Social Studies Courses (45 hours)</b>	<b>Hrs</b>	<b>Semester Completed</b>
ECON 211 Principles of Microeconomics	3	
ECON 212 Principles of Macroeconomics	3	
HIST 101 U.S. History, First Century	3	
HIST 102 U.S. History, Second Century	3	
HIST 120 World Civilizations I	3	
HIST 121 World Civilizations II	3	
HIST 302 Leadership and Change	3	
HIST 322 American Foreign Relations or POLS 120 Issues in Comparative Politics	3	
HIST 220 Introduction to World Geography	3	
POLS 103 American National Government	3	
POLS 130 Issues in International Politics	3	
POLS 310 Environmental Policy and Law or POLS 311 Politics of Global Ecology	3	
SOCI 101 Introduction to Sociology	3	
SOCI 102 Introduction to Cultural Anthropology	3	
PSYC 101 Introduction to Psychology	3	
<b>Additional Courses for the History Major</b>	<b>18 - 21</b>	
<b>Professional Education Courses (40 hours)</b>		
<b>Course</b>	<b>Hrs</b>	<b>Semester Completed</b>
EDUC 110 Principles of Education	3	FL,SP
EDUC 151 AYA Initial Field Experience	1	FL,SP
EDUC 202 Educational Psychology	3	FL,SP
PSYC 207 Adolescence Psychology	3	SP
EDUC 251 Field Experience II- Diverse Learners	0	FL,SP
EDUC 253 Diverse Learners	3	FL,SP
EDUC 350* Assessment	3	FL
EDUC 360* Reading in the Content Area	3	FL
EDUC 323* General Methods/ Field Experience	3	FL
EDUC 454* Social Studies Methods/ Field Experience	3	FL
EDUC 440** Education Capstone Seminar	3	FL,SP
EDUC 452** Culture and Gender Issues in the Classroom	3	FL,SP
EDUC 480** Internship – Adolescent/Young Adult	9	FL,SP

**\*Admission to Professional Licensure Program Required**

**\*\*Admission to Internship Semester Required**