

Associate in Arts (AA) to BS in Chemistry

ECU Course                      ECU S.H.                      NCCCS Course Equivalent

Freshman Year at Community College			
Fall Semester	COAD 1xxx	1	ACA 122
	ENGL 1100 (WI)	3	ENG 111
	MATH 1065	3	MAT 171
	CHEM 1150/1151	4	CHM 151
	Humanities/Fine Arts	3	<a href="#">UGETC Courses</a>
	<b>Total:</b>	<b>14</b>	
Spring Semester	MATH 1083	3	MAT 172
	Social Science	6	<a href="#">UGETC Courses</a>
	ENGL 2201 (WI)	3	ENG 112
	Humanities/Fine Arts	3	<a href="#">UGETC Courses</a>
	<b>Total:</b>	<b>15</b>	
Sophomore Year at Community College			
Fall Semester	MATH 2171	4	MAT 271
	Humanities/Fine Arts	3	<a href="#">UGETC Courses</a>
	CHEM 1160/1161	4	CHM 152
	Social Science	3	<a href="#">UGETC Courses</a>
	CAA GEN ED	2	CAA GEN ED
	<b>Total:</b>	<b>16</b>	
Spring Semester	MATH 2172	4	MAT 272
	CHEM 2750/2753	4	CHM 251
	KINE 1000	1	PED 110
	HLTH 1000	2	HEA 110
	CAA Premajor/Elective	1	CAA Premajor/Elective
	<b>Total:</b>	<b>12</b>	
Summer Session at Community College or East Carolina University			
Summer I	PHYS 2350/1251	5	PHY 251/151
	<b>Total:</b>	<b>5</b>	
Summer II	CHEM 2760/2763	4	CHM 252
	<b>Total:</b>	<b>4</b>	
Junior Year at East Carolina University			
Fall Semester	MATH 2173	4	MAT 273
	CHEM 2103 (WI)	1	No Equivalent
	CHEM 2250/2251	5	No Equivalent
	PHYS 2360/1261	5	PHY 252/152
	<b>Total:</b>	<b>15</b>	
Spring Semester	CHEM 2770	3	CHM 271
	CHEM 4103	1	No Equivalent
	CHEM 3950/3951	5	No Equivalent
	CHEM or General Electives	3	No Equivalent
	<b>Total:</b>	<b>12</b>	
Senior Year at East Carolina University			
Fall Semester	CHEM 3960/3961	5	No Equivalent
	CHEM 4550/3451	5	No Equivalent
	Elective Lab	1	No Equivalent
	CHEM or General Electives	3	No Equivalent
	<b>Total:</b>	<b>14</b>	
Spring Semester	CHEM 4350/4351	4	No Equivalent
	Elective Lab	1	No Equivalent
	CHEM or General Electives	7	No Equivalent
	<b>Total:</b>	<b>12</b>	

Minimum S.H. Required for Degree                      120

The BS degree in chemistry is the appropriate program for students considering advanced degree programs in chemistry, biochemistry, and other related fields or a professional career in chemistry. Graduates of this program meet certification requirements of the American Chemical Society. Students are strongly encouraged to pursue undergraduate research with a faculty member. Up to 6 s.h. of undergraduate research may be applied toward degree requirements. Information regarding undergraduate research may be obtained from the director of undergraduate studies. Students completing the BS degree are encouraged to consider some of the following courses as electives: COMM 2410 or COMM 2420; ITEC 3290 or ENGL 3820; MATH 2228, MATH 3256, MATH 4331; CHEM 4515, CHEM 4516, CHEM 4517; advanced 5000-level courses in chemistry; and BIOL 4880 or BIOL 4890. If a student successfully completes a higher-level cognate course after bypassing the lower-level prerequisite course(s), he/she may use free electives to substitute for the prerequisite hours. All students are required to take a departmentally administered assessment examination before graduation. Scores from this examination will not be included in the calculation of GPA for academic standing. The performance on this exam will be noted on the

**Elective Labs** (choose a minimum of 2 s.h. from the following): BIOL 4891; CHEM 2301, 2771, 3301, 4515, 4516, 4517, 4522, 5993; PHYS 3700, 3701)

*All guides are meant as an example of how a degree can be completed. However, individual plans will be developed for each student in consultation with the academic advisor. Course availability, prior credit, course prerequisites, major requirements, and student needs must be considered in developing the individual academic pathway.*