

		BS: Chemistry with Biochemistry option				Rev. Fall 2017
		NOTE: This 4-year plan should be used in conjunction with regular consultation with an advisor				
Required for Admission to UNCC in [Chemistry]	If 24 or more transfer hours		OR	If less than 24 transfer hours		
	2.0 Transfer GPA			Transfer admissions requirements		
				AND		
See	Transfer Requirements	on the Office of Undergraduate Admissions web page for more details				
Additional Requirements for Admission to the upper division in Chemistry		Students are eligible to declare the B.S. Chemistry major upon passing MATH 1242, PHYS 2012, PHYS 2102L, and earning a C or better in CHEM 2132 or CHEM 3111.				
***PLEASE NOTE: UNC Charlotte made changes to the General Education first year writing and Liberal Studies requirements effective Fall 2017; therefore, the UNC Charlotte General Education requirements and community college UGETC course alignment may vary if the associates degree is not completed. Please review your progression with your academic advisor.						
Associate of SCIENCE						
Courses in BOLD are required for the major						
UGETC -- Associate of SCIENCE						
Area	Prefix/Number	Course Name	Credits	UNC Charlotte Equivalent	Credits	
English Composition (6 CR)						
English Composition	ENG 111	Writing and Inquiry	3	UWRT 1101:	3	
	ENG 112	Writing and Research in the Disciplines	3	UWRT 1102:	3	
Humanities / Fine Arts (6 CR)						
Arts: (choose ONE)	ART 111	Art Appreciation	3	LBST 1105	3	
	ART 114	Art History Survey I		ARTH 1211 (and LBST 1105 exemption)		
	ART 115	Art History Survey II		ARTH 1212 (and LBST 1105 exemption)		
	MUS 110	Music Appreciation		LBST 1103		
	MUS 112	Introduction to Jazz		TRNF 0001 (and LBST 1103 exemption)		
Literature / Philosophy (choose ONE)	ENG 231	American Literature I	3	ENGL 2104 (and LBST 2212 exemption)	3	
	ENG 232	American Literature II		ENGL 0001 (and LBST 2212 exemption)		
	PHI 215	Philosophical Issues		PHIL 2101 (and LBST 2211 exemption)		
	PHI 240	Introduction to Ethics		PHIL 0001 (and LBST 2211 exemption)		
Social / Behavioral Science (6 CR)						
Social Science (choose ONE), recommend SOC	ECO 251	Principles of Microeconomics	3	ECON 2102	3	
	ECO 252	Principles of Macroeconomics		ECON 2101		
	POL 120	American Government		POLS 1110		
	SOC 210	Introduction to Sociology		SOCY 1101		
History (choose ONE)	HIS 111	World Civilizations I	3	HIST 1120 (and LBST 2101 exemption)	3	
	HIS 112	World Civilizations II		HIST 1121 (and LBST 2101 exemption)		
	HIS 131	American History I		HIST 1160 (and LBST 2101 exemption)		
	HIS 132	American History II		HIST 1161 (and LBST 2101 exemption)		
Science with Lab (8 CR)						
Sciences (choose one 8-credit sequence or two 4-credit individual courses)	BIO 111 & 112	General Biology I & II	8	BIOL 2120 & BIOL 2130 & BIOL 2140L	8	
	CHM 151&152	General Chemistry I & II		CHEM 1251 & 1252 + labs		
	PHY 151 & 152	College Physics I & II		PHYS 1101 & 1102 + labs		
	PHY 251 & 252	General Physics I & II		PHYS 2101 & 2102 + labs		
	AST 151 & 151A	General Astronomy + lab		PHYS 1130 + lab		
	BIO 110	Principles of Biology		BIOL 1110 + lab		
	GEL 111	Introductory Geology		GEOL 1200 + lab		
	PHY 110 & 110A	Conceptual Physics + lab		PHYS 0001 + lab		
Mathematics (8 CR)						
Mathematics (choose TWO)	MAT 171	Pre-Calculus Algebra	8	MATH 1100 (3) + lab credit (1)	8	
	MAT 172	Pre-Calculus Trigonometry		MATH 1103 (3) + lab credit (1)		
	MAT 271	Calculus I		MATH 1241 (3) + lab credit (1)		
UGETC Subtotal			34		34	
Additional General Education						

Global / Cross Cultural (Choose ONE)	ANT 220 or 221	Cultural Anthropology or Comparative Cultures	3	ANTH 0001 (and LBST 2102 exemption)	3
	GEO 111	World Regional Geography		GEOG 1101 (and LBST 2102 exemption)	
	GEO 112	Cultural Geography		GEOG 0001 (and LBST 2102 exemption)	
	POL 210 or 220	Comparative Politics or International Politics		POLS 1130 or POLS 1150 (and LBST 2102 exemption)	
	If BOTH HIS 111 AND HIS 112	World Civilizations I & II		HIST 1120 AND HIST 1121 (gives LBST 2101 and 2102 exemption ONLY if both are taken)	
	MAT 272	Calculus II	3	MATH 1242	3
	MAT 273	Calculus III	3	MATH 2241	3
Subtotal			9		9
PRE Major - Courses					
	ACA 122	Academic Transition	1	TRNF 0001	1
	CHM 251 & CHM 252	Organic Chemistry I & II	8	CHEM 2131 & 2132 + labs	8
	PHY 251 & PHY 252	General Physics I & II	8	PHYS 2101 & 2102 + labs	8
Pre-major Subtotal			17		17
TOTAL AA Hours			60		60
NOTES					
BS -- [Chemistry with Biochemistry option] UNC Charlotte Courses					
Courses in BOLD are pre-requisites for subsequent courses					
Junior Year					
Fall					
	CHEM 3111				4
	CHEM 3141 + 3141 L				4
	BIOL 2120/BIOL 2130 (Biology Placement Exam required) (recommended)				3
	Elective				3
Spring					
	CHEM 3142 + 3142 L				4
	Math elective (upper level)				3
	CHEM 3695				1
	BIOL 2120/BIOL 2130 (recommended)				3
	BIOL 2140 L (recommended)				2
	Elective				3
Senior Year					
Fall					
	CHEM 4165 + 4165L				4
	CHEM 4121 (optional)				4
	CHEM 4695				1
	BIOL 3111 (recommended)				3
	CHEM 4900				3
Spring					
	CHEM 4111 or 4171				4
	CHEM 4166				3
	CHEM 4696				1
	CHEM 4900				4
	Elective				3
TOTAL UNCC Hours					60
TOTAL HOURS					120