UNIVERSITY OF THE DISTRICT OF COLUMBIA
COMMUNITY COLLEGE

ASSOCIATE OF SCIENCE DEGREE IN NATURAL SCIENCE (ASNS)

PROGRAM OF STUDY (CHEMISTRY concentration) (ASNS-CHEMISTRY)

PROGRAM OVERVIEW:

The Associate of Science degree in Natural science has two areas of concentration, Biology and Chemistry. The program is designed to fulfill the needs of those students who:

•Want to complete the first two years of an undergraduate degree in a Community College environment and then transfer to a four-year institution in concentrations of either Biology or Chemistry,

•Are undecided about their educational goals and need an opportunity to explore their interests, or

•May be interested in obtaining only a two-year Natural Science degree.

The Natural Science program offers an associate degree that is equivalent to the first two years of a Bachelor of Science degree program, prepares students for transfer to four-year degree programs at the University of the District of Columbia as well as other institutions, allows room for additional natural science requirements not required by UDC-CC's Associate of Science degree but may be required in a four-year program to which the student may decide to transfer, and allows for an area of concentration, special interest, or prerequisites for a transfer program. Students may choose either an Associate of Science Biology or Chemistry concentration. Either of the programs gives the student the flexibility to fulfill the lower-division natural science requirements for transfer and to pursue a major of interest or fulfill prerequisites.

Students should take the following courses preferably in the order that is suggested below and pass the course with **C** or better grade. Students who opt for Chemistry concentration will need to have a good background in pre-calculus and a background in Chemistry. It is advised to take CHEM 105C/ 106C Fundamentals of Chemistry lecture and lab course before starting the program of study (ASNS Chemistry major).

ASNS- Chemistry

Fall Semester

Course Code	Course Name	Credit hrs	Prerequisites
FSEM 101C	First Year Seminar	1	
IGED 110C	Foundation Writing, I	3	
CHEM 111C	General Chemistry I – Lecture	3	
CHEM 113C	General Chemistry I – Lab	1	
MATH 115C	Pre-Calculus Intensive - Lecture	3	
MATH 120C	Pre-Calculus Intensive – Lab	1	
BIOL 101C	Biological Sciences I – Lecture	3	
BIOL 103C	Biological Sciences I – Lab	1	
	Total	**16**	

Spring Semester

Course Code	Course Name	Credit hrs	Prerequisites
IGED 111C	Foundation Writing II	3	IGED 110C
CHEM 112C	General Chemistry II Lecture	3	CHEM 111C
CHEM 114C	General Chemistry II Lab	1	CHEM 113C
MATH 151C	Calculus I – Lecture	3	MATH 114/ 115
MATH 155C	Calculus I – Lab	1	MATH 114/115
BIOL 102C	Biological Sciences II – Lecture	3	BIOL 101C/103C
BIOL 104C	Biological Sciences II – Lab	1	BIOL 101C/103C
	Total	**15**	

Fall Semester

Course Code	Course Name	Credit hrs	Prerequisites
IGED 130C	Found. Oral Communications	3	
IGED 210C	Discovery Writing	3	
CHEM 231	Organic Chemistry I Lecture	3	CHEM 112C
CHEM 233	Experimental Organic Chemistry I - Lab	2	CHEM 114C
MATH 152C	Calculus II – Lecture	3	MATH 151C
MATH 156C	Calculus II – Lab	1	MATH 151C
	Total	**15**	

Spring Semester

Course Code	Course Name	Credit hrs	Prerequisites
IGED 140C	Foundation in Ethics and Values	3	
CHEM 232	Organic Chemistry II Lecture	3	CHEM 231C
CHEM 234	Experimental Organic Chemistry II- Lab	2	CHEM 233C
CHEM 225	Descriptive Inorganic Chemistry	3	CHEM 112C
IGED 250C	Discovery Technology	3	
	Total	**14**	
	Grand Total	**60**	

UPON COMPLETION OF 61 CREDIT HOURS, STUDENTS WILL HAVE AN OPTION TO EITHER GRADUATE WITH AN ASSOCIATES DEGREE (ASNS-CHEMISTRY), OR THEY CAN PURSUE THEIR UNDERGRADUATE COURSE OF STUDY TOWARDS A BACHELOR'S IN CHEMISTRY DEGREE FROM SEMESTER 5 ONWARDS