UCONN
UNIVERSITY OF CONNECTICUT

DEPARTMENT OF ALLIED HEALTH SCIENCES
DIAGNOSTIC GENETIC SCIENCES PROGRAM
Sample Sequence of Courses§#
CATALOG YEAR Beginning Fall 2022
*courses in italics are specific prerequisites to apply***

YEAR ONE

FALL		**SPRING**	
CHEM 1124Q or 1127Q General Chemistry I	4	*CHEM 1125Q or 1128Q General Chemistry II*	3-4
## ENGL 1007	4	*BIOL 1107 General Biology I*	4
## *MATH 1060Q, 1125Q, or above*	3-4	## General Education (CA2)	3
## General Education (CA1)	3	## General Education (CA4)	3
UNIV 1800 FYE (not required, but strongly recommended)	1	Elective	3
	15-16 credits		16-17 credits

YEAR TWO

FALL		**SPRING**	
### *CHEM 2241 or 2443 Organic Chemistry*	3	*MCB 2610 Fund. of Microbiology*	4
STAT 1000Q or 1100Q Statistics	4	## General Education E course	3
MCB 2400 or 2410 Human Genetics/Genetics	3	## General Education (CA2)	3
Elective	3	## General Education (CA1)	3
## General Education (CA4-int)	3	*## General Education W course	3
	16 credits		16 credits

YEAR THREE
Admission into the junior/senior year requires separate application

FALL		**SPRING**	
AH 2001 Medical Terminology	2	*DGS 4234W Dx. Molecular Technologies	3
AH 3021 Environment, Genetics, and Cancer	3	DGS 4235 Lab. Molecular Diagnostics	2
AH 3121 Immunology	3	MLSC 4500 Lab. Operations	2
DGS 3100 Cytogenetic Technologies	3	DGS 4237 Bioinformatics	3
Elective	3	Related cognate	3
	14 credits		13 credits

YEAR FOUR

FALL		**SPRING (Clinical Affiliation - January 2 – May 15)**	
AH 4241 Research for the Health Prof.	2	DGS 4402 Spec Prep, Nuc. Acid Isolation	4
DGS 4236 Case Studies Molecular Path	1	DGS 4503 Amplification Methods	6
DGS 3226 Current Genetic Research	2	DGS 4604 Sequencing and Analysis	3
Related cognate	3	DGS 4850 Investigative Topics	1-3
Elective	3	(or DGS 4997 Honors Research)	
Elective	3	*One of the following elective courses:*	2
	14 credits	DGS 4510 *In Situ* Hybridization Methods	
		DGS 4512 Cloning Techniques	
		DGS 4513 Blotting Techniques	
		DGS 4515 Mol. Applications in Microbiology	
			16-18 credits

Total credits depend upon electives selected; a minimum of **120 credits are required for graduation**.
**refer to course catalog for full details about program requirements
§This plan of study is a sample. Actual plan of study subject to change based on advising and student goals.
#This plan assumes the **foreign language** requirement is completed prior to admission to the university. If a language is required, students may elect to take these courses as electives.
***W course requirement**: Students are required to take two "W" skill coded courses. DGS 4234W satisfies the "W" in the major. Students **MUST** take the second "W" as a general education or elective.
These courses need not be taken in the semester indicated; however it is strongly recommended that they be completed prior to the junior year.
If CHEM 2443 is taken, CHEM 2444 must also be taken to allow enrollment in MCB 2000 (Biochemistry) if desired (NOT a DGS requirement).
Please consult with your academic advisor prior to registering for Q courses.