

DEPARTMENT OF ALLIED HEALTH SCIENCES DIAGNOSTIC GENETIC SCIENCES PROGRAM

(Sample Sequence of Courses§#)

CATALOG YEAR Beginning Fall 2021

YEAR ONE

	12111011		
FALL		SPRING	
CHEM 1124Q or 1127Q General Chemistry I	4	CHEM 1125Q or 1128Q General Chemistry II	3-4
## ENGL 1007, 1010 or 1011	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)	<u>1</u>	Elective	<u>3</u>
	15-16 credits		16-17 credits
	YEAR TWO	0	
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 (suggested CHEM 2242, if taking CHEM 2241)	1-3	*## General Education (CA1)	3
*## General Education (CA4-int)	<u>3</u>	*## General Education W course	<u>3</u>
	14-16 credits		16 credit
	YEAR THRI	FF	
Admission into the		equires separate application	
FALL	junior/scinor year re	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	Related cognate	3
Elective	3	Related cognate	3
Elective	14 credits	remed edginate	13 credit
	1 / Gradus		15 010411
	YEAR FOU	R	
FALL		SPRING (Clinical Affiliation - January 2 - M	(av 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
Related cognate	3	DGS 4604 Sequencing and Analysis	3
Related cognate	3	DGS 4850 Investigative Topics	1-3
Elective	3	(or DGS 4997 Honors Research)	
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One of the following elective courses:

DGS 4510 *In Situ* Hybridization Methods DGS 4512 Cloning Techniques DGS 4513 Blotting Techniques

DGS 4515 Mol. Applications in Microbiology

Total credits depend upon electives selected; a minimum of 120 credits are required for graduation

Please consult with your academic advisor prior to registering for Q courses.

15 credits

Elective

2

16-18 credits

[§]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.