

DIAGNOSTIC GENETIC SCIENCES (DGS) SAMPLE SEQUENCE OF COURSES§

UConn Graduation Requirements—Are found at catalog.uconn.edu these include major and general education requirements (Content Areas: 1, 2, 3, and 4, **W**riting, **Q**uantitative, **F**oreign Language and **E**nvironmental Literacy)

Students normally average 15 credits per semester over a 4-year period (fall/spring only) to meet the 120 academic credits required.

FIRST YEAR

FALL

CHEM 1124Q or 1127Q General Chemistry I	4
ENGL 1007*	4
MATH 1060Q, 1125Q, or above*	3-4
GEN ED (CA 1)*	3
UNIV 1800 FYE (recommended)	1

Total credits: 15-16

SPRING

CHEM 1125Q or 1128Q General Chemistry II	3-4
BIOL 1107 General Biology I	4
GEN ED (CA 2)*	3
GEN ED (CA 4)*	3
ELECTIVE	3

Total credits: 16-17

SECOND YEAR

FALL

CHEM 2241 or 2443 Org. Chem.**	3
STAT 1000Q or 1100Q Statistics	4
MCB 2400 or 2410 Human Genetics/Genetics	3
ELECTIVE	3
GEN ED (CA 4)*	3

Total credits: 16

SPRING

MCB 2610 Fund. of Microbiology	4
GEN ED (E)*	3
GEN ED (CA 2)*	3
GEN ED (CA 1)*	3
GEN ED (W)*	3

Total credits: 16

Admission into the junior/senior year requires separate application

THIRD YEAR

FALL

AH 2001 Medical Terminology	2
AH 3021 Env., Genetics, and Cancer	3
AH 3121 Immunology	3
DGS 3100 Cytogenetic Technologies	3
ELECTIVE	3

Total credits: 14

SPRING

DGS 4234W Dx. Molecular Tech.	3
DGS 4235 Lab. Molec. Diagnostics	2
MLSC 4500 Lab. Operations	2
DGS 4237 Bioinformatics	3
Related Cognate	3

Total credits: 13

FOURTH YEAR

FALL

AH 4241 Research for Health Prof.	2
DGS 4236 Case Studies Molec. Path	1
DGS 3226 Current Genetic Research	2
Related Cognate	3
ELECTIVE	3
ELECTIVE	3

Total credits: 14

SPRING (Clinical Affiliation- January 2-May 15)

DGS 4402 Spec Prep, Nuc. Acid Isolation	4
DGS 4503 Amplification Methods	6
DGS 4604 Sequencing and Analysis	3
DGS 4850 Investigative Topics (or DGS 4997 Honors Research)	1-3
DGS 4510, 4512, 4513, or 4515	2

Total credits: 16-18

§ This course sequence is a sample. Actual course sequence subject to change based on advising and student goals.

* 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).

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

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

Students can elect to enroll in *Summer/Winter sessions*. Course options can be found at summerwinter.uconn.edu.

Students interested in [Education Abroad](#) should discuss options (semester, winter or summer) with major advisor.

Your academic advisor will work with you every semester to help determine the best sequence of courses specific to your career goals.