

## DIAGNOSTIC GENETIC SCIENCES (DGS) SAMPLE SEQUENCE OF COURSES<sub>s</sub>

UConn Graduation Requirements—Are found at [catalog.uconn.edu](http://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
<i>Total credits: 15-16</i>	

#### **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
<i>Total credits: 16-17</i>	

### 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
<i>Total credits: 16</i>	

#### **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
<i>Total credits: 16</i>	

**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
<i>Total credits: 14</i>	

#### **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
<i>Total credits: 13</i>	

### 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
<i>Total credits: 14</i>	

#### **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
<i>Total credits: 16-18</i>	

§ 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](http://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.*

SAMPLE