

University of Connecticut
Department of Allied Health Sciences
Diagnostic Genetic Sciences Program

Plan of Study: Beginning catalog year 2009

Name: _____ EMPL # (Peoplesoft #): _____ Date of Admission: _____ Catalog year: _____

General Education Requirements: Students are expected to meet the *University General Education Requirements*. Please refer to the general education audit sheet on the back of this form. It is the student's responsibility to meet general education and program requirements. Refer to the University general catalog for course titles and descriptions.

Major Requirements: Students are required to complete a minimum of 120 credits to graduate to include general education courses, *professional* courses and related courses as indicated below. Remaining credits will be used as elective credits to meet the 120 credit rule. Students must complete 2000-level or above coursework to constitute their *professional* coursework as listed in groups A, B & C below. All *professional* courses must be completed with a grade of "C" or better. Courses may ONLY be repeated once for a total of two times. * Students should consult with their academic advisor to be sure that both program and university general education requirements are met *

A. Completion of Allied Health (AH) core courses required:

Course number	Course Title	Grade	Credits
AH 4241(W)	Research for the Health Professional	_____	_____
AH 4244	Management for the Health Professional	_____	_____

B. Completion of Diagnostic Genetic Sciences (DGS) major courses required:

Course number	Course Title	Grade	Credits
DGS 3222	Medical Cytogenetics	_____	_____
DGS 3223	Laboratory in Cytogenetics	_____	_____
DGS 4224	Cancer Cytogenetics	_____	_____
DGS 3225	Chromosome Imaging	_____	_____
DGS 4234W	Diagnostic Molecular Technologies	_____	_____
DGS 4235	Laboratory Molecular Diagnostics	_____	_____
DGS 4246	Contemporary Issues in Human Genetics	_____	_____
DGS 4248	Advanced Karyotyping & Report Writing	_____	_____

Molecular Track:

DGS 4501	Specimen Processing	_____	_____
DGS 4502	Nucleic Acid Isolation	_____	_____
DGS 4503	Amplification Methods	_____	_____
DGS 4550	Research in Molecular Genetics	_____	_____

Or 4997 (honors students only)

One of the following: DGS 4510, 4511, 4512, 4513, 4514, 4515

DGS _____

Cytogenetics Track:

DGS 4701	Peripheral Blood Cytogenetics	_____	_____
DGS 4702	Prenatal Cytogenetics	_____	_____

Course number	Course Title	Grade	Credits
DGS 4703	Bone Marrow Cytogenetics	_____	_____
DGS 4712	Practicum in FISH	_____	_____
DGS 4713	Practicum in Imaging & Staining	_____	_____
DGS 4750	Research in Cytogenetics	_____	_____

Or 4997 (honors students only)

C. Completion of other major courses required:

Course number	Course Title	Grade	Credits
AH 2001	Medical Terminology	_____	_____
AH 3121	Immunology	_____	_____
MCB 2210	Cell Biology	_____	_____
MCB 2410	Human Genetics	_____	_____
MCB 2610	Microbiology	_____	_____

D. Completion of Related Math and Science courses required (may also meet general education requirements):

Course number	Course Title	Grade	Credits
BIOL 1107	General Biology I	_____	_____
BIOL Option	_____	_____	_____
CHEM 1124Q or 1127Q	General Chemistry I	_____	_____
CHEM 1125Q or 1128Q	General Chemistry II	_____	_____
CHEM 2241 and 2242	Organic Chemistry	_____	_____
Or 2443 and 2444	_____	_____	_____
MCB 2000	Introduction to Biochemistry	_____	_____
MATH 1040Q, 1060Q, 1125Q	Algebra/ Pre-calculus	_____	_____
or higher	_____	_____	_____
STAT 1000Q or 1100Q	Statistics	_____	_____

Total credits for graduation (120 required): _____

Preliminary plan of study Final plan of study

This plan of study is not considered a final plan of study unless all signatures are completed.

Student Signature

Date

Advisors Signature

Date

Department Head's Signature

Date

DEPARTMENT OF ALLIED HEALTH SCIENCES
GENERAL EDUCATION REQUIREMENTS 2009-2010

NOTE: To satisfy general education requirements, courses must be selected from the general education menu as listed in the *University catalog*. Refer to the University general catalog for course titles and descriptions.

General Education Requirements		Courses	Semester /Grade
CONTENT AREA: (courses in groups 1-3 <i>MUST</i> be from 6 different academic departments)			
Group I	ARTS and HUMANITIES: 6 credits required; not more than three credits from one department	_____	____ _
		_____	____ _
Group II	SOCIAL SCIENCES: 6 credits required; not more than three credits from one department. The following program requirements also meet this general education category: DIET: SOCI or PSYC; AHS (Standard Plan; concentrations in Health Promotion Sciences or Occupational Safety & Health): PSYC 1101 or 1103	_____	____ _
		_____	____ _
Group III	SCIENCE AND TECHNOLOGY: Two courses. One <i>MUST</i> be a laboratory course. The following program requirements also meet this general education category: DIET: BIOL 1107; CHEM 1124Q & 1125Q or CHEM 1127Q & 1128Q; NUSC 1165 DGS, MT: BIOL 1107; CHEM 1124Q & 1125Q or CHEM 1127Q & 1128Q AHS (concentration in Health Sciences): BIOL 1107; CHEM 1124Q & 1125Q or CHEM 1127Q & 1128Q; PHYS 1201Q & 1202Q; PSYC 1100 AHS (concentration in Occupational Safety and Health):BIOL 1107; CHEM 1124Q & 1125Q or CHEM 1127Q & 1128Q; NRE 1000; PHYS 1010Q; PSYC 1100 AHS (Standard Plan or concentration in Health Promotion Sciences): BIOL 1107; CHEM 1122 & PHYS 1010Q or CHEM 1124Q & 1125Q or CHEM 1127Q & 1128Q; NUSC 1165; PSYC 1100	Lab course: _____	____ _
		Science course: _____	____ _
Group IV	DIVERSITY AND MULTICULTURALISM: 6 credits required. One course must address issues of diversity or multiculturalism <i>outside</i> the United States. The following program requirements also meet this general education category: DIET: NUSC 1167 (3 credits may also meet requirements in groups 1-3) Does course overlap? NO YES if yes.....Group: 1 2 3 _____	Intl: _____	____ _
		_____	____ _
COMPETENCY AREA:		<input type="checkbox"/> Check if met in high school	
SECOND LANGUAGE: 3rd year level high school in a single foreign language OR One year (2 semesters) of college-level study		Language: _____	____ _
		_____	____ _
QUANTITATIVE*: two "Q" courses. One of the Q courses must be from mathematics or statistics. The following program requirements also meet this general education category : AHS (Standard Plan or concentration in Health Promotion Sciences): MATH 1040Q or 1060Q or 1125Q (or above); STAT 1000Q or 1100Q AHS (concentration in Health Sciences or Occupational Safety and Health): MATH 1060Q or 1125Q (or above); STAT 1000Q or 1100Q DGS, MT: MATH 1040Q or 1060Q or 1125Q (or above); STAT 1000Q or 1100Q DIET: CHEM 1124Q or 1125Q or 1127Q or 1128Q; STAT 1000Q or 1100Q		Q _____	____ _
		Q STAT 1000Q or 1100Q	____ _
WRITING: A) ENGLISH 1010 OR 1011 (ENGL 1002 & 1003, or ENGL 3800 can also satisfy this requirement). B) <u>Two</u> "W" courses, one of which must be a course in the major. Writing in the major course: DIET: DIET 3231W; DGS: DGS 4234W; MT: MT 4094W AHS (Standard Plan, concentrations in Health Sciences or Health Promotion Sciences): AH 4241W AHS (concentration in Occupational Safety and Health): AH 4221W or 4241W		ENGL 1010 or 1011	____ _
		W (major)_____	____ _
		W _____	____ _
COMPUTER TECHNOLOGY: Students meet competency by meeting university entry requirements			
INFORMATION LITERACY: Students meet competency by meeting university entry requirements			