

# UConn | COLLEGE OF AGRICULTURE, HEALTH AND NATURAL RESOURCES

## PLAN OF STUDY FORM Catalog Year 2015-2016 Medical Laboratory Sciences

### DIRECTIONS

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- This Plan of Study (plan) is used as a *worksheet* during initial registration and every subsequent semester to determine minimum requirements and progress toward completing the degree. A *preliminary plan* is developed and submitted to the advisor by the end of the sophomore year (or equivalent time for transfer students).
- **A final plan must be approved by advisor and department head, and submitted to the Degree Auditor (Unit 4077, Wilbur Cross Building) no later than the end of the tenth week of classes of the semester prior to the anticipated semester of graduation.**
- Students must complete all major and general education course requirements and earn:
  - At least 120 credits toward the degree**
  - At least a 2.0 Cumulative Grade Point Average (CGPA)**
  - At least a 2.0 Grade Point Average for ALL courses listed in the 36 Credit Requirement**
- University of Connecticut General Education Requirements (GER), are outlined in the Academic Regulations section of the *Undergraduate Catalog*. Only approved courses may be used to meet requirements.
- Students should use their Academic Requirements Report (accessible in Student Admin) along with the Plan of Study to view their graduation requirements and assess status toward degree. Students must be attentive to credit restrictions (repeated courses, out of sequence classes, etc.). Courses taken Pass/Fail may NOT be used to meet any requirements.

### STUDENT AND DEGREE INFORMATION

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**Must be filled out completely on your final plan of study.**

Select one:  Preliminary Plan  Final Plan

Name \_\_\_\_\_ Student I.D. \_\_\_\_\_  
First Middle Last

Phone # \_\_\_\_\_ Email Address \_\_\_\_\_

Current Address: \_\_\_\_\_  
Street City/Town State Zip Code

Month and Year of Anticipated Graduation  May  August  December Year: \_\_\_\_\_

Are you pursuing a double major in CAHNR?  Yes  No If Yes, submit Double Major Attachment with final plans of study.

Please list below any minors that you plan to earn and submit a final minor plan of study with your final major plan of study.

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At the completion of semester you intend to graduate, will you have earned 120 or more credits?  Yes  No

### APPROVAL SIGNATURES

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Student's Signature \_\_\_\_\_ Date \_\_\_\_\_

Advisor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Department Head's Signature \_\_\_\_\_ Date \_\_\_\_\_

**The final plan must be submitted to the Registrar's Office in the Wilbur Cross Building.  
Please remember to keep a copy of the plan for your records.**

## PART I: GENERAL EDUCATION REQUIREMENTS (GER) <sup>1</sup>

Courses approved to meet GER are outlined in the Academic Regulations section of the *Undergraduate Catalog*.

*Courses in Content Areas 1-3 must be in 6 different departments.*

*One course from Content Area 4 may be used to fulfill a requirement in Content Areas 1-3.*

Content Area	Dept.	Course No.	Credits	Semester/Year	Grade
Foreign Languages (3 years single language in high school) OR pass second course in first-year college sequence					
	_____	_____	_____	____ / ____	____
	_____	_____	_____	____ / ____	____
	ENGL 1010 or 1011	_____	_____	____ / ____	____
	"W" Course	_____	_____	____ / ____	____
	"W" Course ( <i>within major</i> )	_____	_____	____ / ____	____
	"Q" Course	_____	_____	____ / ____	____
	"Q" Course ( <i>MATH or STAT</i> )	_____	_____	____ / ____	____
1	Arts & Humanities ( <i>total 6 credits</i> )	_____	_____	____ / ____	____
		_____	_____	____ / ____	____
2	Social Sciences ( <i>total 6 credits</i> )	_____	_____	____ / ____	____
		_____	_____	____ / ____	____
3	Science & Technology ( <i>total 6 credits – include one 4-credit laboratory course</i> )	_____	_____	____ / ____	____
		_____	_____	____ / ____	____
4	Diversity & Multiculturalism ( <i>total 6 credits – one must be "International" course</i> )	_____	_____	____ / ____	____
		_____	_____	____ / ____	____

**Computer Technology Competency:** See major requirements

**Information Literacy Competency:** See major requirements

## MEDICAL LABORATORY SCIENCES

### PART II: INDIVIDUAL COURSE REQUIREMENTS OF MEDICAL LABORATORY SCIENCES MAJOR <sup>1</sup>

Courses in this section that are numbered 2000-level or above may also be used to meet the 36 Credit Requirement (Part III).

#### Mathematics and Science Courses:

Dept.	No.	Course Title	Credits	Semester/Year	Grade
CHEM	1124Q <u>and</u> 1125Q <u>or</u> 1127Q <u>and</u> 1128Q	Fundamentals of General I and II <u>or</u> General Chemistry	—	____ / ____ ____ / ____	____ ____
CHEM	2241 <u>or</u> 2443 <u>and</u> 2444	Organic Chemistry	3	____ / ____ ____ / ____	____ ____
BIOL	1107	Principles of Biology	4	____ / ____	____
MATH	1040Q <u>or</u> 1060Q <u>or</u> 1125Q or above	Elementary Mathematical Modeling <u>or</u> Precalculus <u>or</u> Calculus Ia	3	____ / ____	____
STAT	1000Q <u>or</u> 1100Q	Introduction to Statistics I <u>or</u> Elementary Concepts of Statistics	4	____ / ____	____
MCB	2000	Introduction to Biochemistry	4	____ / ____	____
MCB	2400 <u>or</u> 2410	<u>or</u> Human Genetics or Genetics	3	____ / ____	____
	PVS 4300 or PNB 2264 <u>and</u> 2265 <u>or</u> PNB 2274 <u>and</u> 2275	Principles of Pathobiology or Human Physiology and Anatomy or Enhanced Human Physiology and Anatomy	—	____ / ____ ____ / ____	____ ____

**Professional Courses:** (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)

Dept.	No.	Course Title	Credits	Semester/Year	Grade
AH	2001	Medical Terminology	1	____ / ____	____
AH	3121	Immunology for the Medical Laboratory Sciences	3	____ / ____	____
AH	4241	Research for the Health Professional	2	____ / ____	____
AH	4244	Management for the Health Professional	3	____ / ____	____
DGS	4234	Diagnostic Molecular Technologies	3	____ / ____	____
DGS	4235	Laboratory in Molecular Diagnostics	2	____ / ____	____
MLSC	3130	Introduction to Clinical Microbiology	3	____ / ____	____
MLSC	3132	Introduction to Clinical Microbiology Laboratory	1	____ / ____	____
MLSC	3301	Fundamentals of Medical Laboratory Sciences	3	____ / ____	____
MLSC	3333	Mycology, Parasitology and Virology	3	____ / ____	____
MLSC	3365	Theory of Phlebotomy	1	____ / ____	____
MLSC	4094W	Seminar in Medical Laboratory Sciences	2	____ / ____	____
MLSC	4301	Clinical Chemistry and Instrumentation	4	____ / ____	____
MLSC	4302	Clinical Chemistry Laboratory	3	____ / ____	____
MLSC	4311	Hematology	4	____ / ____	____
MLSC	4312	Hematology Laboratory	3	____ / ____	____
MLSC	4321	Clinical Immunology	2	____ / ____	____
MLSC	4322	Clinical Immunology Laboratory	1	____ / ____	____
MLSC	4341	Clinical Microbiology	4	____ / ____	____

MLSC	4342	Clinical Microbiology Laboratory	4	_____ / _____	____
MLSC	4351	Transfusion Services	2	_____ / _____	____
MLSC	4352	Transfusion Services Laboratory	2	_____ / _____	____
MLSC	4366	Phlebotomy Laboratory	1	_____ / _____	____
MLSC	4371	Urinalysis	1	_____ / _____	____
MLSC	4372	Urinalysis Laboratory	1	_____ / _____	____

*Writing Competency:* Students must pass MLSC 4094W.

*Computer Technology Competency:* University entry-level competencies have been reviewed and satisfy all program requirements.

*Information Literacy Competency:* Competencies will be met through successful completion of program major courses.

### PART III: 36 CREDIT REQUIREMENT FOR ALL MAJORS <sup>1</sup>

Each student is required to successfully complete at least 36 credits of courses that are numbered 2000-level or above in or relating to their major. These courses may also be used to meet other requirements. This group of courses must:

1. Total not less than 36 credits
2. Be numbered 2000 or above
3. Be approved by student's advisor and department head
4. Be taken at the University of Connecticut<sup>2</sup>
5. Include two or more departments
6. Include **at least 15 credits from departments in the College of Agriculture, Health and Natural Resources**
7. Have a combined Grade Point Average of at least 2.0
8. Not include more than 6 credits (combined) of Independent Study, Internship, or Field Studies (if included, these courses must be taken at the University of Connecticut)
9. Not be taken on Pass/ Fail (P@ / F@)
10. Not include more than 6 credits of Satisfactory/Unsatisfactory (S/U) coursework

Dept.	No.	Credits	Semester/Year	Grade
_____	_____	_____	____ / ____	_____
_____	_____	_____	____ / ____	_____
_____	_____	_____	____ / ____	_____
_____	_____	_____	____ / ____	_____
_____	_____	_____	____ / ____	_____
_____	_____	_____	____ / ____	_____
_____	_____	_____	____ / ____	_____
_____	_____	_____	____ / ____	_____
_____	_____	_____	____ / ____	_____
_____	_____	_____	____ / ____	_____
_____	_____	_____	____ / ____	_____
_____	_____	_____	____ / ____	_____

Dept.	No.	Credits	Semester/Year	Grade
_____	_____	_____	____ / ____	_____
_____	_____	_____	____ / ____	_____
_____	_____	_____	____ / ____	_____
_____	_____	_____	____ / ____	_____
_____	_____	_____	____ / ____	_____
_____	_____	_____	____ / ____	_____
_____	_____	_____	____ / ____	_____
_____	_____	_____	____ / ____	_____
_____	_____	_____	____ / ____	_____
_____	_____	_____	____ / ____	_____
_____	_____	_____	____ / ____	_____
_____	_____	_____	____ / ____	_____

Credits from departments in CAHNR (15 required): \_\_\_\_\_

(CAHNR subject codes include AGNR, AH, ANSC, ARE, DGS, DIET, HORT, KINS, LAND, MLSC, MT, NRE, NUSC, PLSC, PVS, SOIL, TURF)

Total Credits in 36 credit group \_\_\_\_\_

<sup>1</sup>Courses taken on Pass/Fail may NOT be used to meet any requirements.

<sup>2</sup>**Residence Requirement.** It is expected that advanced course work in the major will be completed at the University of Connecticut. However, students may be eligible to use up-to six credits from other institutions in the 36-credit group if approved by their advisor and department head. These credits must be identified as courses comparable to specific University of Connecticut courses and cannot include internships, special topics, or non-specific discipline credits. Transfer students must complete at least 30 credits of 2000-level or higher course work at the University of Connecticut, including at least 15 credits in College of Agriculture, Health and Natural Resources courses.