The application deadline is February 1 for fall admission. Applications will begin to be reviewed in January and the review process continued on a space available basis. Highly qualified students may be considered for early admission. School of Pharmacy applications are available in the School of Pharmacy Professional Program Office.

Communication Skills. It is essential that Pharmacy students have good written and oral communication skills. Students must be able to communicate effectively with patients, physicians and with other members of the health care team. The final applicant pool may be interviewed.

A Test of Spoken English (TSE) is required of all international applicants and U.S. citizens or permanent residents for whom English has not been the primary language. A minimum score of 50 is required for admission to the program.

Scholastic Standards. Students admitted to the professional pharmacy program must maintain the following standards of scholastic achievement to continue and/or complete the program:

1) A semester grade point average of 2.0 or above in required Pharmacy courses. (Students are subject to dismissal if there is more than one semester in which they earn a semester grade point average below 2.0 in required Pharmacy courses.)
2) A cumulative grade point average of 2.0 or above in all required Pharmacy courses is required to enroll in clinical clerkships/rotations.
3) A cumulative grade point average of 2.0 or above in all Pharmacy/University courses is required for graduation.

In addition, to demonstrate effective written and oral communication skills in English, the student must receive a grade of 2.0 or above in Interpersonal Skills Development (PHRM 206) and in Pharmacy Practice Laboratory (PHRM 212) to continue into the clinical experience sequence.

All required Pharmacy courses must be taken for a grade (i.e. may not be taken on Pass/Fail or Satisfactory/Unsatisfactory).

Failure to meet any of the requirements may result in dismissal of the student from the program.

The student has the right to appeal in writing to the Office of the Dean of the School of Pharmacy any dismissal decision.

Honors Program. Students in the School of Pharmacy may be eligible to participate in a variety of enrichment programs. These include independent research projects with a faculty mentor, the Degree with Distinction Program, the Honors Program, and the University Scholars Program. Each of these programs offers the motivated student a way of individualizing their intellectual environment to better meet their needs while providing distinction to their academic record. For more information on these programs, ask to speak with a Pharmacy Honors Advisor.

Physical Examination Requirements. All students by the end of the first semester in the professional phase of their program are required to have an initial physical examination including CBC and urinalysis. Additionally, all students are required to have Rubella Titer; a Varicella Titer; a Rubella Titer (note: even though you may have already had measles and/or chicken pox as a child, you still need titers); a DT (Diphtheria/Tetanus) shot; Hepatitis B immunization (a series of three injections for Hepatitis B and mandatory post-titer level); and a PPD. The Tuberculin Test or PPD must be repeated annually. In addition, a medical release form must be signed annually. Rubella immunization is necessary if the titer is absent. You must have had an updated Tetanus immunization within the last 10 years.

Students may have the health requirements conducted by Health Services OR may elect to have the physical examination and required tests performed by a private physician.

In addition, the School of Pharmacy will provide, in compliance with the OSHA Blood Borne Pathogen Standard, mandatory annual educational sessions for all students.

Transportation. Students must provide their own transportation to experiential sites during the professional program. They should allow for transportation expenses, which would include cost of gasoline and parking fees where necessary.

Health Insurance. All students in the professional phase of their pharmacy education are required to carry health insurance as stated in the University’s health policy. It is the student’s responsibility to present a completed Verification of Health Form to the Director of Experiential Education at the School of Pharmacy. This must be done ANNUALLY, prior to the start of the third full week of classes. It is also the student’s responsibility to re-present proof of
coverage (by filling out a Verification of Health Insurance Form) to the Director of Experiential Education in advance of the expiration date should it occur sometime in the middle of any semester.

Any medical expenses incurred by the student while participating in the clinical portion of the program will be assumed by the student.

Professional Liability Coverage. All students in the professional phase of their curriculum are required to carry specific professional liability (malpractice) coverage. You will automatically be billed for this on your University fee bill. Although the State of Connecticut has statutory protection for students in “field placement programs” (Chapter 53 of the Connecticut General Statutes), there are sites that will not accept this as adequate protection. Therefore, the School of Pharmacy has required all students to have the blanket University malpractice coverage.

Additional Degrees. Students wishing to take a second degree in another school or college should consult the associate dean of the School of Pharmacy early in their professional program.

Intern Registration. It is mandatory that all Pharmacy students register with the Connecticut Board of Pharmacy upon admission to the Pharmacy professional program. Failure to receive and maintain a valid Pharmacy intern card will result in students not being allowed to participate in experiential courses or any of the other practica component of the curriculum.

License to Practice Pharmacy. Any request for information concerning Connecticut internship training requirements and other qualifications for examination and licensure as a pharmacist should be addressed to The Board Administration, Commission of Pharmacy, State Office Building, Hartford, Connecticut. Students seeking licensure in other states, should contact the Boards of Pharmacy in those states.

Degree Requirements for the Bachelor of Science in Pharmacy Studies. The Bachelor of Science in Pharmacy Studies is awarded after the completion of two years of pre-pharmacy and the first two years of pharmacy study in the professional program. The B.S. in Pharmacy Studies must be earned before entry into the last two years of the professional program. Upon recommendation of the faculty, the degree of Bachelor of Science in Pharmacy Studies is awarded by vote of the Board of Trustees to students who have met the following requirements: (1) earned 126 credits; (2) completed all requirements for the first two years of the professional program; (3) completed at least 30 credits of general education courses, defined as behavioral, social, and humanistic areas of knowledge; (4) satisfied the University’s General Education Requirements; (5) earned at least a 2.0 grade point average for all calculable 200-level course work; and (6) earned a 2.0 grade point average for all calculable required Pharmacy courses. The B.S. in Pharmacy Studies does not entitle an individual to sit for a pharmacy licensing examination.

Degree Requirements for the Doctor of Pharmacy (Pharm.D.) The Doctor of Pharmacy is a professional degree, not a graduate degree. It is awarded after two years of pre-pharmacy studies and four years of study in the professional program. Upon recommendation of the faculty, the degree of Doctor of Pharmacy is awarded by vote of the Board of Trustees to students who have met the following requirements: (1) earned a total of 196 credits; (2) completed all requirements for the professional years and the Professional Program; (3) completed at least 30 credits of general education courses, defined as behavioral, social, and humanistic areas of knowledge; (4) satisfied the University’s General Education Requirements; (5) earned at least a 2.0 grade point average for all calculable 200 level course work; and (6) earned a 2.0 grade point average for all calculable required Pharmacy courses. The Doctor of Pharmacy degree entitles an individual to sit for a pharmacy licensing examination.

Required Courses for the Professional Degree

I. General Education Requirements

The University Senate has adopted General Education Requirements in a variety of curricula areas, which must be satisfied as part of every degree program. These requirements are listed in the Academic Regulations section of this Catalog. The course requirements listed are those of the School of Pharmacy and also satisfy the University requirements. *

Group 1. Foreign Languages

This requirement is met if the student enters the University with three years of a single language in high school, or the equivalent. With anything less, a student must complete two semesters of a single language at the University.

Group 2. Expository Writing

Either ENGL 110 or 111 is required, and must be followed by two W courses. Students passing ENGL 250 will be exempt from the ENGL 110 or 111 requirement.

Group 3. Mathematics

All students must complete MATH 115Q, an additional Q course. One C course. Required Pharmacy courses will satisfy the Q and C requirements. (Note: MATH 101 and a passing grade on the Q-Course Readiness Test is a prerequisite to all Q courses.) In order to take MATH 115 students must pass either the Calculus Readiness Test, or a pre-calculus course. Students who fail the Calculus Readiness Test must take MATH 112 and 113.

Group 4. Literature and the Arts

All students must take two courses, one emphasizing major works of literature, and the other major achievements in art or music.

Group 5. Culture and Modern Society

All students must take HIST 100 or 101, and a course emphasizing non-Western culture.

Group 6. Philosophical or Ethical Analysis

All students must take one course in philosophical or ethical analysis.

Group 7. Social Scientific and Comparative Analysis

All students must take ECON 111 and one 100’s level sociology course.

Group 8. Science and Technology

Required pre-Pharmacy courses will satisfy this group requirement.

II. Required Courses and Recommended sequences for the Pre-professional Years

First College Year - First Semester

<table>
<thead>
<tr>
<th>Course Title, Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 127 - General Chemistry, 4</td>
</tr>
<tr>
<td>BIOL 107 - Principles of Biology, 4</td>
</tr>
<tr>
<td>ENGL 110 - Academic Writing or ENGL 111 Writing through Literature*, 4</td>
</tr>
<tr>
<td>MATH 115 - Calculus I, 4</td>
</tr>
</tbody>
</table>

First College Year - Second Semester

<table>
<thead>
<tr>
<th>Course Title, Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 128 - General Chemistry, 4</td>
</tr>
<tr>
<td>HIST 100 or 101*, 3</td>
</tr>
<tr>
<td>PHYS 121 - General Physics, 4</td>
</tr>
<tr>
<td>General Education Requirement*, 3</td>
</tr>
<tr>
<td>Elective Credits***, 2</td>
</tr>
</tbody>
</table>

Second College Year - First Semester

<table>
<thead>
<tr>
<th>Course Title, Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 243 - Organic Chemistry, 3</td>
</tr>
<tr>
<td>ECON 111* - Principles of Economics, 3</td>
</tr>
<tr>
<td>MCB 229 - Fundamentals of Microbiology, 4</td>
</tr>
<tr>
<td>COMM 105* - Principles of Public Speaking, 3</td>
</tr>
<tr>
<td>General Education Requirement*, 3</td>
</tr>
</tbody>
</table>

Second College Year - Second Semester

<table>
<thead>
<tr>
<th>Course Title, Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 244 - Organic Chemistry, 3</td>
</tr>
<tr>
<td>SOCI 107** - Introduction to Sociology, 3</td>
</tr>
<tr>
<td>MCB 203 - Biochemistry, 4</td>
</tr>
<tr>
<td>General Education Requirement*, 6</td>
</tr>
</tbody>
</table>

Total pre-professional credits, 64

* These courses need not be taken in the semester indicated but must be completed during the first two years.

** Any 100 level sociology course. This course need not be taken in the semester indicated but must be completed during the first two years.
I. The Professional Program

Students will be admitted to the Pharmacy Studies degree program after completion of the two-year pre-Pharmacy program (64 credits).

First Professional Year - 29 Credits

Spring Semester

Course Title, Credits
201 - Pharmaceutical Care
202 - Health Care Organization, 1
203 - Social Behavioral Aspects of Pharmacy, 2
205 - Principles of Pharmacoeconomics, 2
219 - General Principles and Organ System Overview, 3
233 - Bio-Organic Chemistry I, 3
Electives, 3***

Total credits - 14

Fall Semester

Course Title, Credits
201 - Pharmaceutical Care
203 - Social Behavioral Aspects of Pharmacy, 2
205 - Principles of Pharmacoeconomics, 2
219 - General Principles and Organ System Overview, 3
233 - Bio-Organic Chemistry I, 3
Electives, 3***

Total credits - 14

Second Professional Year - 33 Credits, Fall Semester

Spring Semester

Course Title, Credits
207 - Pharmaceutical Care
211 - Introduction to Clinical Practice, 2
212 - Pharmacy Practice Laboratory, 3
213 - Bio-Organic Lab, 1
PVS 297 - Pathobiology, 3

Total credits - 15

Fall Semester

Course Title, Credits
207 - Pharmaceutical Care
208 - Endocrine / GI Systems, 3
246 - Dispersed Systems, 3
247 - Dosage Forms Prep Lab II, 1
254 - Therapeutics II, 4
Electives***, 3

Total credits - 18

Total credits for Bachelor of Science in Pharmacy Studies: 126

Doctor of Pharmacy - 70 Credits

Students will be admitted to the Pharm.D. degree program after earning the BS in Pharmacy Studies at the School of Pharmacy, University of Connecticut.

Third Professional Year - 34 Credits

Fall Semester

Course Title, Credits
200 - Evaluation Skills, 3
209 - Pharmaceutical Care
223 - Pharmacology Discussion / Lab, 1
224 - Chemotherapy, 2
225 - Toxicology, 2
255 - Therapeutics III, 3
257 - Clinical Pharmacokinetics, 1
Electives, 3+

Total credits - 15

Spring Semester

Course Title, Credits
209 - Pharmaceutical Care, 1
210 - Non-Prescription Medication, 3
211 - Introduction to Clinical Practice, 2
212 - Pharmacy Practice Laboratory, 3
226 - Immunology, 3
256 - Therapeutics IV, 4
Electives, 3+

Total credits - 19

Fourth Professional Year

Students must have completed the BS in Pharmacy Studies and the first year of the Pharm. D. program

36 Credits

Rotating Professional Experiences (1 month = 4 credits) Required (one month each) 16 credits

Electives, minimum of 5 (one month each) 20 credits

At least 2 of the electives must be direct patient contact.

Direct patient contact indicated by *

Course Title, Credits
262 - Professional Experience in Community Pharmacy *, 4
263 - Professional Experience in Institutional Pharmacy I, 4
264 - Professional Experience in Ambulatory Care Pharmacy *, 4
265 - Professional Experience in General Medicine *, 4
(may substitute Pediatrics or Geriatrics for Ambulatory Care and General Medicine)

Electives, minimum of 5 (one month each) 20 credits

At least 2 of the electives must be direct patient contact.

Direct patient contact indicated by *

Course Title, Credits
262 - Professional Experience in Community Pharmacy *, 4
267 - Professional Experience in Infectious Disease *, 4
268 - Professional Experience in Oncology *, 4
269 - Professional Experience in Psychiatry *, 4
270 - Professional Experience in Pediatrics *, 4
271 - Professional Experience in Geriatrics *, 4
272 - Professional Experience in Community Practice II *, 4
273 - Professional Experience in Critical Care *, 4
274 - Professional Experience in Dermatology, 4
275 - Professional Experience in Drug Control, 4
276 - Professional Experience in Emergency Medicine, 4
277 - Professional Experience in Home Health Care, 4
278 - Professional Experience in Institutional Pharmacy II, 4
279 - Professional Experience in Industry, 4
280 - Professional Experience in Managed Care, 4
281 - Professional Experience in Nuclear Pharmacy, 4
282 - Professional Experience in Nutrition, 4
283 - Professional Experience in Obstetrics/Gynecology, 4
284 - Professional Experience in a Skilled Care Nursing Facility, 4
285 - Professional Experience in Surgery, 4
286 - Professional Experience in General Medicine II *, 4
287 - Professional Experience in Ambulatory Care *, 4
288 - Professional Experience in Pharmacist-Directed Anticoagulation Service *, 4
289 - Professional Experience in Gastroenterology *, 4
290 - Professional Experience in Hospice Care *, 4
291 - Professional Experience in Sub-acute Care and Chronic Disease and Rehabilitate Medicine *, 4
298 - Special Topics in Clinical Rotations, 4
299 - Experiential Research Rotations, 4
PHAR 298 - Special Topics in Pharmacy, 4
PHAR 299 - Research Experience (GPA 2.8), 4

Total credits for Doctor of Pharmacy 196

Exemption and Substitution. Students who desire to be excused from any of these requirements or to substitute other courses for those prescribed, should consult the Associate Dean of the School. The Dean of the School of Pharmacy must approve such exemptions or substitutions. Any waivers or substitution for professional courses must be approved by the School of Pharmacy Curriculum Committee.

School of Pharmacy Website http://pharmacy.uconn.edu