



Arnold & Marie Schwartz College of Pharmacy and Health Sciences

REQUIRED PRE-REQUISITE COURSES (FALL 2014 & 2015 ENTRY)

Attached below are the lists of pre-requisite courses required for entry into the Professional Phase (P-3) of the PharmD Program. **These lists represent the required curriculum for all students (LIU and transfer) applying for the professional phase of the program. One list represents 2014 and the other list represents 2015 entry requirements.**

Please use the appropriate list to determine how many pre-requisite courses have already been completed as well as to determine which courses may be lacking. To determine if a course may be transferable use our **Undergraduate Bulletin** along with your school's bulletin to compare the course descriptions. Visit our website at www.liu.edu/brooklyn/academics/bulletins to review all college bulletins including the LIU Brooklyn Undergraduate Bulletin and LIU Pharmacy Bulletin.

Quarter system courses must be taken in sequence. Quarter credits must convert to minimally 8 semester credits for science (courses must include labs) and math courses and 3 semester credits for liberal arts or humanities courses.

Applicants who have or will have an undergraduate degree from a regionally accredited college/ university by the end of summer prior to program entry will need any 27 credits in Liberal Arts (Social Science/ Humanities) with a grade of 'C' or higher to satisfy the requirement. Applicants who do not hold an undergraduate degree from a regionally accredited college/ university is required to complete the entire list of pre-requisite courses as listed in the LIU Brooklyn Undergraduate Bulletin and LIU Pharmacy Bulletin.



Arnold & Marie Schwartz College of Pharmacy and Health Sciences

**PHARMD. PROGRAM
PROFESSIONAL PHASE (P-3)
REQUIRED PRE-REQUISITE COURSE LIST (FOR FALL 2014 ENTRY)**

Pre-requisite Course List
Science and Math

Bio 3 (Gen Biology 1)	4 cr.	Che 3 (Gen/Inorg. Chemistry 1)	4 cr.
Bio 4 (Gen Biology 2)	4 cr.	Che 4 (Gen/Inorg. Chemistry 2)	4 cr.
Bio 131 (H. Anatomy)	4 cr.	Che 121 (Org. Chemistry 1)	4 cr.
Mat 30 (Pre-Calculus)	4 cr.	Che 122 (Org. Chemistry 2)	4 cr.
Mat 40 (Calculus)	4 cr.	*Phy 27 (Physics for Pharmacy)	4 cr.

**General Physics may satisfy the Physics for Pharmacy requirement (Compare the course descriptions).*

Note: These courses are non-negotiable and may not be substituted. Every science/math course attempted is counted into your GPA, as calculated by PharmCAS.

Total of 40 credits

Liberal Arts (Social Science or Humanities)

Eng 16 (Composition 1)	3 cr.	Eng 61-64 (Literature 1)	3 cr.
Core 50 (or Composition 2)	3 cr.	Eng 61-64 (Literature 2)	3 cr.
*His 1 (His of Civ. to 1500)	3 cr.	*Phi 61 (Phil Explorations 1)	3 cr.
*His 2 (His of Civ. since 1500)	3 cr.	*Ph 62 (Phil Explorations 2)	3 cr.
Eco 1 or 2 (Micro / Macro Economics)	3 cr.	Psy 3 (Intro or General)	3 cr.
Spe 3 (Intro or Oral Communication)	3 cr.		

One year sequence of History **OR one year sequence of Philosophy is required.*

Total of 27 credits



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**PHARMD. PROGRAM
PROFESSIONAL PHASE (P-3)
REQUIRED PRE-REQUISITE COURSE LIST (FOR FALL 2015 ENTRY)**

Pre-requisite Course List
Science and Math

Bio 1 (Gen Biology 1)	4 cr.	Che 3 (Gen/Inorg. Chemistry 1)	4 cr.
Bio 2 (Gen Biology 2)	4 cr.	Che 4 (Gen/Inorg. Chemistry 2)	4 cr.
Bio (H. Anat & Phys 1)	4 cr.	Che 121 (Org. Chemistry 1)	4 cr.
Bio (H. Anat & Phys 2)	4 cr.	Che 122 (Org. Chemistry 2)	4 cr.
Bio 101 (Microbiology)	4 cr.	*Phy 27 (Physics for Pharmacy)	4 cr.
Mat 40 (Calculus)	4 cr.		

**General Physics may satisfy the Physics for Pharmacy requirement (Compare the course descriptions).*

Note: These courses are non-negotiable and may not be substituted. Every science/math course attempted is counted into your GPA, as calculated by PharmCAS.

Total of 44 credits

Liberal Arts (Social Science or Humanities)

Eng 16 (Composition 1)	3 cr.	Eng 61-64 (Literature 1)	3 cr.
Cor 50 (or Composition 2)	3 cr.	Eng 61-64 (Literature 2)	3 cr.
*His 1 (His of Civ. to 1500)	3 cr.	*Phi 61 (Phil Explorations 1)	3 cr.
*His 2 (His of Civ. since 1500)	3 cr.	*Phi 62 (Phil Explorations 2)	3 cr.
Eco 1 or 2 (Micro / Macro Economics)	3 cr.	Psy 3 (Intro or General)	3 cr.

*One year sequence of History **OR** one year sequence of Philosophy is required.*

Total of 24 credits