

The Pharm.D.-DLP Pathway to the M.S. in Pharmacogenomics (MSPGx)

Description:

The Pharm.D.-DLP pathway to the in person MSPGx program is intended to expand the opportunities available to distance learning program pharmacy graduates, particularly those pursuing clinical fellowships or residencies with an eventual goal of working in clinical pharmacogenomics-based positions, the pharmaceutical industry, or academics, whom desire to advance their careers by earning both an MSPGx and a Pharm.D. degree at an ACPE-accredited institution. Enrollment in the Pharm.D.-DLP does not guarantee enrollment in the MSPGx program; however, it provides a pathway that may save time for the student. All coursework within the Pharm.D.-DLP program that can be, will be transferred to the MSPGx program upon successful enrollment in the MSPGx program. In addition, upon acceptance to the MSPGx program, a review of any completed degrees will be performed to determine if any transfer course credits can be granted.

MSPGx Admission Application Requirements:

Upon successful completion of the first three years of the Pharm.D.-DLP program with a GPA greater than or equal to 2.7 and no failing grades, any student in the Pharm.D.-DLP program may start the application to the MSPGx program through the COPHS Admissions Office.

Applications to the MSPGx program must be submitted via PharmGrad.org or the Western New England University free application.

Application Requirements:

- **Degree:** A bachelor's degree from a regionally accredited college or university, or the future completion of the Pharm.D. program.
- **Preferred Minimum GPA:** Undergraduate or Pharm.D. GPA of at least 2.70 or foreign equivalent is preferred.
- **Transcripts:** Transcripts from all colleges attended, and current transcript from Pharm.D. program must be submitted.
- **Recommendations:** A minimum of two letters of recommendation, in English, must be submitted; one recommendation must be from a professor.
- A current résumé or CV must be submitted.
- English-language test scores are required for all applicants who are non-native English speakers who have resided in a country, where English is the primary language, for less than 10 years, UNLESS the applicant has earned or is degree pending (will have earned by anticipated

matriculation date) a bachelor's degree or graduate degree following three or more years of campus-based post-secondary instruction in the United States.

- Applicants can use any of the following standardized tests to meet our English language requirement:
 - TOEFL—80 IBT
 - IELTS—6.5
 - PTE Academic—56
 - STEP Eiken—1
 - iTEP—4.5
 - Duolingo—105 DET
- List of countries in which English language testing would be waived because it is the primary language: Antigua and Barbuda, Australia, The Bahamas, Barbados, Belize, Dominica, Grenada, Guyana, Ireland, Jamaica, New Zealand, St. Kitts and Nevis, St. Lucia, St. Vincent and the Grenadines, Trinidad and Tobago, and the United Kingdom.
- Qualified candidates may be invited to participate in an interview and complete a writing sample.

Application to MSPGx Program

- The application process into the MSPGx program will be the same as with any student currently enrolled in a program at WNEU.

Curriculum Considerations After Acceptance into Pharm.D. Program

- Course credit transfers from the Pharm.D.-DLP program, or from any prior completed degrees to the Pharm.D. program will be conducted by the CoPHS Office of Academic Affairs.
- Earning the Pharm.D.-DLP is required prior to entering the MSPGx program.

Tuition and Fees

- While enrolled solely in the Pharm.D.-DLP program, the student will pay the same tuition and fees as any Pharm.D.-DLP degree student.
- Upon enrollment in the MSPGx program, students will pay tuition and fees equivalent to a CoPHS full-time MSPGx student, unless they are not taking the equivalent of a full-time academic load. If not in a full-time academic load, then the student will pay the same per-credit-hour tuition and fees as any part-time MSPGx student.
- While in the MSPGx program, students will be eligible for the same scholarships as any other MS student.

Pharm.D.-DLP Pathway to the MSPGx

First Year - Fall Semester (PharmD-DLP PY1)

PHAR 510	Intro to Pharmacy and Health Professions	1
PHAR 511	Drug Information and Informatics	2
PHAR 512	Immunology	3
PHAR 513	Biochemistry	3
PHAR 516	Pharmacy Ethics	3
PHAR 517	Healthcare Policy and Delivery	2
PHAR 518	Pharmaceutical Calculations	2
PHAR 580	Professional Development I	0
Subtotal: 18		

First Year - Spring Semester (PharmD-DLP PY1)

PHAR 520	Health Care Communications	3
PHAR 522	Pathophysiology	3
PHAR 523	Medical Genetics and Pharmacogenomics	2
PHAR 526	Pharmacy Outcomes	2
PHAR 527	Self Care Therapeutics	3
PHAR 528	Intro to Pharmacy and Health Professions II	1
PHAR 541	Introductory Pharmacy Practice Experience I	2
PHAR 580	Professional Development I	0
Subtotal: 19		

Second Year - Fall Semester (PharmD-DLP PY2)

PHAR 610	Principles of Pharmacokinetics	4
PHAR 611	Principles of Pharmacology	3
PHAR 614	Patient Assessment Skills Lab	1
PHAR 615	Professional Pharmacy Practice Lab	1
PHAR 616	Practice Management I	2
PHAR 642	Introductory Pharmacy Practice Experience II	2
PHAR 65X	Pharmacy Elective	3
PHAR 680	Professional Development II	0
Subtotal: 19		

Second Year - Spring Semester (PharmD-DLP PY2)

PHAR 621	IPC&PM Renal	2
PHAR 622	IPC&PM Respiratory	2
PHAR 623	IPC&PM CVS I	2
PHAR 624	IPC&PM CVS II	2
PHAR 625	Applied Pharmacy Care I	1

PHAR 626	Practice Management II	2
PHAR 627	Sterile Products Lab	1
PHAR 628	Literature Evaluation / Evidence Based Practice	3
PHAR 65X	Pharmacy Elective	3
PHAR 680	Professional Development II	0
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		Subtotal: 18

Third Year - Fall Semester (PharmD-DLP PY3)

PHAR 710	IPC&PM GI/Nutrition/Hepatic	3
PHAR 711	IPC&PM Endocrine/Repro/GU	3
PHAR 712	IPC&PM Infectious Disease I	2
PHAR 713	IPC&PM Infectious Disease II	2
PHAR 715	Applied Pharmacy Care II	1
PHAR 718	Pharmacy Law I	2
PHAR 744	Introductory Pharmacy Practice Experience III	2
PHAR 75X	Pharmacy Elective	3
PHAR 780	Professional Development III	0
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		Subtotal: 18

Third Year - Spring Semester (PharmD-DLP PY3)

PHAR 720	IPC&PM Derm/Musculoskeletal	2
PHAR 721	IPC&PM Neuro/CNS	2
PHAR 722	IPC&PM Psychology	3
PHAR 723	IPC&PM Hematology/Oncology	3
PHAR 724	IPC&PM Special Populations	2
PHAR 725	Applied Pharmacy Care III	1
PHAR 727	Patient Care Management	3
PHAR 728	Pharmacy Law II	2
PHAR 780	Professional Development III	0
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		Subtotal: 18

Fourth Year - Summer Semester (PharmD-DLP PY4)

PHAR 800	Ambulatory Care APPE	6
PHAR 801	Acute Care APPE	6
PHAR 880	Professional Development IV	0
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		Subtotal: 12

Fourth Year - Fall Semester (PharmD-DLP PY4)

PHAR 802	Community Care APPE	6
PHAR 803	Institutional Care APPE	6
PHAR 880	Professional Development IV	0
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		Subtotal: 12

Fourth Year – Spring Semester (PharmD PY4)

PHAR 804	APPE Elective	6
PHAR 805	APPE Elective	6
PHAR 880	Professional Development IV	0
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		Subtotal: 12

Fifth Year (In person) - Fall Semester (PharmD-DLP-done/MSPGx-Y1)

PHRSC 510	Seminar & Journal Club 1	1
PHRSC 527	Data Analysis and Biostatistics	3
PHRSC 529	Responsible Conduct in Research	3
PHRSC 551	Introduction to Genetics and Genetic Counseling	3
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		Subtotal: 10

Fifth Year (In person) - Spring Semester (PharmD-DLP-done/MSPGx-Y1)

PHRSC 526	Analytical Techniques Lab	1
PHRSC 552	Advanced Genetics and Genomics	1
PHRSC 560	Genetic Research and Bioinformatics	3
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		Subtotal: 5

Fifth Year (In person) - Summer Semester (PharmD-DLP-done/MSPGx-Y1)

PHRSC 558	Pharmacogenomics Laboratory Experience	2
PHRSC 559	Pharmacogenomics Clinical Experience	2
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		Subtotal: 4

Waived for PharmD-DLP graduates

PHRSC 556, Pharmacokinetic Sciences, 2 credits

PHRSC 557, Advanced Pharmacology & Drug Action, 3 credits

Subtotal: 5