The Graduate Certificate in Pharmaceutical Technology

Otto H. York Department of Chemical Engineering

Newark College of Engineering

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WHY PURSUE A GRADUATE CERTIFICATE IN PHARMACEUTICAL TECHNOLOGY?
Spurred by an explosion in new medical knowledge and an aging population, the pharmaceutical industry is one of the strongest and most exciting sectors of the economy. The industry requires strong management with specialized knowledge and focused skills to sustain the creation, storage and maintenance of databases of biological information in order to support drug discovery development. The 12-credit graduate certificate in pharmaceutical technology prepares students for a variety of positions in drug manufacturing, pharmaceutical production, pharmaceutical development, and pharmaceutical operations.

WHY STUDY PHARMACEUTICAL TECHNOLOGY AT NJIT?
New Jersey is home to many of the world’s leading pharmaceutical companies, and NJIT is at the national epicenter of this concentration of industrial pharmaceutical research and development. NJIT has strong ties with the pharmaceutical industry and works directly with industry advisors to ensure that the curriculum is relevant to industry needs.

GAINFUL EMPLOYMENT DISCLOSURE
For more information about our graduation rates, the median debt of students who completed the program, and other important information, please visit our website at: http://adultlearner.njit.edu/programs/pharmaceuticaltechnology-certge.php

WHAT WILL I LEARN?
The Certificate in Pharmaceutical Technology is designed to educate professionals and provide them with the skills required to work in the pharmaceutical field, with particular emphasis on the engineering aspects of drug manufacturing, pharmaceutical production, pharmaceutical development, and pharmaceutical operations. The students will not only be provided with an overview of the pharmaceutical industry, including information about drug discovery and development, FDA requirements, approval processes and the methodologies used by industry to comply with these regulations, drug dosage forms, and the role of key operational units in drug manufacturing processes, but they will also be presented with the fundamentals of the drug development cycle and the unit operations typically associated with drug manufacturing, including their quantitative and design aspects.

WHAT COURSES ARE OFFERED?
PhEn 601: Principles of Pharmaceutical Engineering
PhEn 603: Pharmaceutical Processing and Manufacturing
PhEn 604: Validation and Regulatory Issues in the Pharmaceutical Industry
PhEn 606: Pharmaceutical Unit Operations: Solids Processing
Complete course descriptions can be found in the NJIT Online Catalog at http://catalog.njit.edu/graduate/

*Now or shortly available online.
Courses are subject to change.
✓ Take care to select courses in proper order. Check course descriptions, because they state if one course must be taken before (i.e.; is a prerequisite to) another.

WHERE ARE THE CLASSES OFFERED?
All course are available at NJIT’s Newark campus. Customized NJIT degrees and academic certificates can be brought on-site at your company or customized and conducted at a location convenient to a consortium of companies.

WHAT IS THE TUITION FOR GRADUATE COURSES?
Use the tuition calculator to see the cost of your education quickly and easily. Visit: http://adultlearner.njit.edu/costs

IS FINANCIAL AID AVAILABLE EVEN FOR PART-TIME STUDENTS?
Yes, sources of financial aid or tax credits are available at: http://adultlearner.njit.edu/costs

CAN THE GRADUATE CERTIFICATE CREDITS BE APPLIED TO AN ADVANCED DEGREE?
Courses in the graduate certificate program in pharmaceutical technology can be fully applied to the MS in Pharmaceutical Engineering.

HOW DOES THE GRADUATE CERTIFICATE PROGRAM WORK?
Each stand-alone credential is a milestone in its own right and can be a 12-credit springboard to a matching Masters Degree program at NJIT or elsewhere. The credential can be completed in as little as one academic year of part-time study. Many can be studied in whole or in part online. The straightforward and rapid admissions process requires possession of an undergraduate degree with a satisfactory grade point average. A GRE or GMAT score is not a pre-requisite. Depending on the program, courses can be taken online, on campus, or at NJIT extension sites around New Jersey. For a complete list of available Graduate Certificates, please visit http://www.njit.edu/gradcert.

BRING A GRADUATE CERTIFICATE TO YOUR COMPANY
Arrangements can be made to bring a customized Graduate Certificate can also be offered to match your company’s area of technological and managerial specialty. For more information about Company Collaborative Graduate Certificates or enrollment in any of our Graduate Certificates, please contact the Division of Continuing Professional Education.

FOR FURTHER INFORMATION:
Division of Continuing Professional Education
1-800-624-9850 (Toll Free)
1-973-596-3060 (New Jersey)

ON THE WEB: