Appendix 10.2
Nontraditional Doctor of Pharmacy and Other Curricular Pathways

1) Nontraditional Doctor of Pharmacy Program

Note: this program is being phased out and is no longer accepting applicants

The Nontraditional Doctor of Pharmacy (NonT) program at Idaho State University is designed for practitioners holding a Bachelor’s degree in pharmacy and a valid U.S. or Canadian pharmacy license who desire the opportunity to earn the PharmD degree without returning full-time to a college campus. The curriculum includes 37 credits of didactic course work that is taught using a combination of DVDs, interactive web-based case studies, detailed syllabi and textbooks. Each course has an assigned instructor who is available to students via telephone or e-mail for questions or assistance. Upon completion of the didactic portion of the NonT program, students must perform 18 weeks of on-site experiential training (i.e., Advanced Pharmacy Practice Experiences - APPEs) in various clinical pharmacy disciplines.

Dates to Begin the Program

The NonT program does not follow the usual academic calendar of the university. Students will be enrolled and initiate courses once official notification of admission has been received.

Requirements for Completion

To remain accredited by the Accreditation Council for Pharmacy Education (ACPE), the didactic portion of the program must be completed within 3.5 years of the admission date. This admission date is given to each student upon beginning the program.

Before beginning the experiential portion of the program, a second on-campus visit is required during which the student must complete a comprehensive examination of the didactic curriculum. A physical assessment practicum will also be offered at this time. Following successful completion of these evaluations, students will complete the practical experience requirements.

Every effort will be made to place each student in appropriate experiential training sites convenient to their residence; however, the right must be retained to assign a student to a site away from his/her residence if local accommodations are not available or will not meet the requirements specified by the program. Students may be required to complete their experiential training (APPEs) at sites in Idaho.

Curriculum for Non-Traditional Doctor of Pharmacy
The minimum didactic courses students will be required to complete are as follows:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDNT 9905</td>
<td>Introduction to Clinical Problem Solving</td>
<td>1</td>
</tr>
<tr>
<td>PDNT 9918</td>
<td>Drug Literature Evaluation and Statistics</td>
<td>2</td>
</tr>
<tr>
<td>PDNT 9938</td>
<td>Drug and Medical Informatics</td>
<td>1</td>
</tr>
<tr>
<td>PDNT 9961</td>
<td>Pharmacotherapy I</td>
<td>2-4</td>
</tr>
</tbody>
</table>
In addition to these didactic courses, students will be required to complete 18 weeks of advanced practical experiences (PDNT 9981). These include:

- Ambulatory Care 6 weeks
- Medicine 6 weeks
- Pharmaceutical Care 1 6 weeks
- OR
- Elective 6 weeks

TOTAL: 18 weeks

1 The student may choose one 6-week experience or Pharmaceutical Care in a specialty area such as (but not limited to) Pediatrics, Geriatrics, Mental Health, Drug Information, Infectious Disease, and Transplant Therapeutics. While most advanced practice experiences constitute established pharmacy specialties, the Pharmaceutical Care option offers the student the unique opportunity to implement an aspect of pharmaceutical care at their site of employment. Thus, both the employer and the student benefit directly from this educational experience.

The College permits waivers of one Advanced Pharmacy Practice Experience (APPE) based upon experience. If a student has extensive experience in one area, then a portfolio of patient write-ups may be submitted. If approved, this portfolio may replace one 6-week APPE.

2) Joint Doctor of Pharmacy/Master of Business Administration

Note: this degree option is currently available to students in Pocatello and Meridian, but not yet for students in Alaska. Given that all of the MBA courses are currently taught online, future potential may exist to offer this in Alaska as well.
The College of Business and College of Pharmacy at Idaho State University offer a joint PharmD/MBA program for students interested in earning both degrees. Students enrolled in the PharmD program may earn an MBA degree with approximately one summer and one year of additional course work.

The program is closely aligned with the PharmD curriculum with the following changes and requirements:

MBA 6613, MBA 6614, MBA 6615, and MBA 6616
These courses will satisfy six hours of electives required for the PharmD curriculum.
In addition, the completion of MBA 6612 (Human Behavior in Organizations) will substitute for the pharmacy management component of the Health Care sequence in the PharmD curriculum.

- During the two years of prepharmacy course work, the student should take:
  
  ECON 2201  Principles of Macroeconomics (Partially satisfies General Education Objective 6)  3
  ECON 2202  Principles of Microeconomics (Partially satisfies General Education Objective 6)  3
  ACCT 2201  Principles of Accounting I  3
  ACCT 2202  Principles of Accounting II  3

- During the third professional year in the PharmD program and the summer preceding that year, the student should take the following:

- Throughout and following the professional PharmD program, the student must complete the second year of the MBA curriculum, which includes:

  MBA 6620, MBA 6621, MBA 6622, MBA 6623, MBA 6626, MBA 6628, MBA 6629, and MBA 6637

- Upon completion of all required MBA classes, students must complete the MBA oral exam.

3) Joint Doctor of Pharmacy /Doctor of Philosophy (Pharm.D./Ph.D.)

Note: this option is only available for students in Pocatello and Meridian due to the research requirements of the Ph.D. program and the location of pharmaceutical science faculty and their research laboratories.

The College of Pharmacy offers a dual Pharm.D./Ph.D. program that has been designed to train biomedical and pharmaceutical scientists for academic, industry, or government positions in their relevant scientific fields. This program is intended for highly qualified applicants and is designed to reduce the total time needed for completion of the two degrees while maintaining the high standards of the individual programs. It is intended to increase the number of highly trained clinician-researchers that can operate at the interface of basic research and clinical care to facilitate a more rapid translation of medical innovation into benefit for the patient.
Entrance Requirements. Applicants must first be admitted into the Pharm.D. program at ISU. Applicants must hold a B.S. or a B.A. degree in one of the sciences, or have completed a minimum of three years at a college or university which will grant a B.S. or B.A. after completion of one year at the ISU College of Pharmacy. Applicants must further meet all entrance requirements for both the Pharm.D. and Ph.D. programs.

Timeline. This program combines the existing Pharm.D. with the Ph.D. degree currently offered in the Department of Biomedical and Pharmaceutical Sciences. Students accepted into this joint-degree program, who demonstrate acceptable progress, can expect to receive the Pharm.D. and be eligible for pharmacist licensure after completing the four-year professional degree program. The remaining portion of the joint-degree program will require a minimum of three additional years for completion of the requirements for a Ph.D. degree.

Modified Curriculum. During the fall and spring semesters of P1, P2, and P3 professional years, PharmD/PhD dual degree students are required to work for a minimum of 6 hours per week in the research setting of their major advisor. Students may receive graduate credit for this work in research techniques and skills (PSCI 6604, Research Practicum and PSCI 6606, Selected Techniques in the Laboratory). Selected Pharm.D. courses in the P1 year have been modified to include additional content to permit students to obtain Ph.D. credit for these courses (PHAR 9921, PHAR 9922). Students are also required, course schedule permitting, to attend Graduate Seminar and Journal Club, for which they may receive graduate credit. Additionally, Pharm.D./Ph.D. students are permitted to take graduate courses in lieu of their required pharmacy electives. Lastly, Pharm.D./Ph.D. students are required to work a minimum of two, full time, 10-week summers performing research in the laboratory of their Ph.D. mentor.

Program Requirements. Students must maintain a minimum GPA of 3.0 throughout the entire program. Students meet with their major advisers at least once per semester and a student assessment form is submitted to the Graduate Program Coordinator. Students must meet all of the requirements for the Pharm.D. program (including IPPE and APPE requirements) and the Ph.D. programs as detailed in their respective program handbooks.

Concentrations. The Ph.D. course of study is Pharmaceutical Sciences. Several concentrations are offered in the College’s graduate program that students in the dual Pharm.D./Ph.D. program may follow: Pharmacology, Drug Discovery, and Pharmaceutics.