

Pharmacy School
AFFILIATION AGREEMENT

between

UNIVERSITY OF PITTSBURGH
at
BRADFORD

Bradford, PA

AND

**LAKE ERIE COLLEGE OF
OSTEOPATHIC MEDICINE**

Erie, PA

"3+3" / "3+4" Accelerated Pharmacy Program
AFFILIATION AGREEMENT
University of Pittsburgh at Bradford

INDEX

1. Article I: Introduction

1.1.	<u>Parties</u>	Page 1
1.2.	<u>Relationship of Parties</u>	Page 1
1.3.	<u>Purpose</u>	Page 1
1.4.	<u>Consideration</u>	Page 1
1.5.	<u>"3+3" /"3+4" Program</u>	Page 1

2. Article II: Program Considerations

2.1.	<u>Curriculum</u>	Page 1-2
2.2.	<u>Campus Choice</u>	Page 2
2.3.	<u>Qualified Students</u>	Page 2
2.4.	<u>Enrolled Students</u>	Page 2
2.5.	<u>Number of Students Accepted</u>	Page 3
2.6.	<u>Student Inquiries</u>	Page 3
2.7.	<u>Student Responsibility</u>	Page 3
2.8.	<u>Pitt-Bradford / LECOM Responsibility</u>	Page 3
2.9.	<u>Representatives</u>	Page 3-4
2.10.	<u>Interviews</u>	Page 4
2.11.	<u>Annual Reviews</u>	Page 4

3. Article III: Program Timeline Page 4-5

4. Article IV: Admission to the Affiliated Program

4.1. <u>Eligibility for Admission to Phase I</u>	Page 5
4.2. <u>Admissions Criteria to Phase I</u>	Page 5
4.3. <u>Eligibility for Admission to Phase II</u>	Pages 6-7
4.4. <u>Admission Criteria for Phase II</u>	Page 7
4.5. <u>Admissions Procedure</u>	Page 7-8
4.6. <u>Application Contents (Phase II)</u>	Page 8
4.7. <u>Provisional Acceptance (Phase II)</u>	Page 8
4.8. <u>Full Acceptance by LECOM</u>	Page 9
4.8. <u>Notice of Intent to Enroll at LECOM</u>	Page 9

5. Article V: Degree Awarded

5.1. <u>Baccalaureate Degree</u>	Page 9
5.2. <u>Degree of Doctor of Pharmacy</u>	Page 9

6. Article VI: General Considerations

6.1. <u>Publicity</u>	Page 10
6.2. <u>Nondiscrimination/Sexual Harassment Clause</u>	Page 10
6.3. <u>Amendment of Requirements</u>	Page 10
6.4. <u>Term of Agreement</u>	Page 11
6.5. <u>Termination of Agreement</u>	Page 11
6.6. <u>Interpretation of Agreement</u>	Page 11
6.7. <u>Liability</u>	Page 11
6.8. <u>Modifications</u>	Page 11
6.9. <u>Entire Agreement</u>	Page 11
<u>Signatures</u>	Page 12
<u>Addenda</u>	Pages 13-22

"3+3"/ "3+4"
Accelerated Pharmacy Program
AFFILIATION AGREEMENT
The University of Pittsburgh at Bradford

1. Article I: Introduction

- 1.1. **Parties.** This Affiliation Agreement (Agreement) is made by and between The University of Pittsburgh at Bradford (Pitt-Bradford) and the Lake Erie College of Osteopathic Medicine (LECOM) School of Pharmacy
- 1.2. **Relationship of Parties.** The relationship between the parties to this Agreement and to each other is that of independent contractors. The relationship of the parties to this contract and to each other shall not be construed to constitute a partnership, joint venture or any other type of relationship, other than that of independent contractors.
- 1.3. **Purpose.** The purpose of the Agreement is to establish a joint undergraduate/professional program (the "3+3" / "3+4" Program) of education leading to the Doctor of Pharmacy degree (Pharm. D.).
- 1.4. **Consideration.** The parties execute this Agreement in consideration of their mutual objective to establish a "3+3" / "3+4" Program.
- 1.5. **"3+3" / "3+4" Program.** Under this joint Agreement between LECOM and The University of Pittsburgh at Bradford, select undergraduate students who have successfully completed specific course work, identified below, at The University of Pittsburgh at Bradford may continue their education in pharmacy at LECOM. Because this is a demanding professional program, the requirements listed for acceptance have been established to demonstrate that the student is capable of handling the rigorous course load, particularly the accelerated 3+3 Program.

2. Article II: Program Considerations

2.1. Curriculum.

- 2.1.1. The "3+3" Program is comprised of two phases: Phase I consists of the first three years of undergraduate education at The University of Pittsburgh at Bradford. Phase II consists of the remaining three years of pharmacy school education at LECOM's Erie campus and its associated clinical training sites. During Phase 11 of the agreement, students in the "3+3" program will attend class

or train at clinical sites twelve (12) months per year. Short breaks are given during and between semesters.

2.1.2. The "3+4" Program is comprised of two phases: Phase I consists of the first three years of undergraduate education at The University of Pittsburgh at Bradford. Phase II consists of the remaining four years of pharmacy school education at LECOM's Bradenton, FL campus and its associated clinical training sites. Students enrolled in the Bradenton campus's "3+4" Program will attend class using a typical academic year; i.e., mid-August to early-June.

2.2. Campus Choice. A student enrolled in the "3+3" / "3+4" Program may attend either campus. However, a student may only apply to one campus, not to both. The choice of campus must be designated on the enrollment form submitted to LECOM in October of the year preceding matriculation. The PharmCAS application and other required information listed in section 4.6 must be directed to the campus of choice.

2.3. Qualified Students. LECOM agrees to admit qualified The University of Pittsburgh at Bradford students to the LECOM Doctor of Pharmacy Program provided that the students have successfully completed the undergraduate prerequisites for pharmacy school at The University of Pittsburgh at Bradford, as described in Addendum A, and have fulfilled admission requirements for LECOM, as outlined in this document.

2.4. Enrolled Students. Each year, by October 15, Pitt-Bradford's Mr. James Baldwin will send LECOM's School of Pharmacy Admissions Office a list of students enrolled in Phase I of the "3+3" / "3+4" Program. Along with the student's name, the following information should also be provided:

2.4.1. Their current school year;

2.4.2. Their most recent GPA at The University of Pittsburgh at Bradford

2.4.3. Their SAT or ACT score;

2.4.4. Their high school GPA;

2.4.5. Expected year of enrollment in Phase II;

2.4.6. If they are taking the PCAT and the anticipated test date;

2.4.7. The LECOM campus they plan to attend.

Students not enrolled; i.e., not included on this list, will not be considered for acceptance to Phase II of the Program. Students enrolled in the "3+3" / "3+4" Program should not accept an offer to enroll in another institution's accelerated Pharmacy program.

- 2.5. Number of Students Accepted.** Each academic year, only five (5) students will be accepted by LECOM into LECOM's Pharmacy Program(s) from The University of Pittsburgh at Bradford's Accelerated Pharmacy Program.
- 2.6. Student Inquiries.** While in Phase I, all student inquiries for information should be directed to James Baldwin of The University of Pittsburgh at Bradford. All student inquiries for information regarding Phase II application status should be directed to the LECOM Admissions Office.
- 2.7. Student Responsibility.**
- 2.7.1.** Interested high school students are responsible to ensure that they meet the requirements of Phase I and that they are properly enrolled in the "3+3" / "3+4" Program.
- 2.7.2.** Pitt-Bradford students are responsible to ensure that their application to the "3+3" / "3+4" Program is properly completed and received by LECOM's Office of Admissions.
- 2.7.3.** Neither Pitt-Bradford nor LECOM will consider incomplete applications.
- 2.7.4.** Pitt-Bradford students are also responsible for all of the requirements stated in Article IV concerning the admissions procedure.
- 2.7.5.** Students in this program must request a LECOM transcript be sent to their undergraduate school in order to receive their undergraduate degree.
- 2.8. The University of Pittsburgh at Bradford / LECOM Responsibility.** Consultation and communication on program evaluations and student progress should be maintained by The University of Pittsburgh at Bradford's Mr. James Baldwin and by the designate at LECOM. Mr. James Baldwin will provide counseling to students and evaluate students' performance in accordance with the requirements as stated herein. The University of Pittsburgh at Bradford retains the right to dismiss students for academic or disciplinary reasons.
- 2.9. Representatives.** Each party shall designate a representative responsible for expediting and directing applications and admissions to the "3+3" / "3+4" Program. The University of Pittsburgh at Bradford designates Mr. James Baldwin to be its representative to the "3+3" / "3+4" Program. LECOM designates the LECOM School of Pharmacy Admissions Office to be its representative to the "3+3" / "3+4" Program.

In the event a party changes representatives, it shall notify the other of the change as soon as practical.

- 2.10. **Interviews.** Students successful in Phase I will be interviewed by LECOM in the third year of Phase I, prior to admission to Phase II of the "3+3" / "3+4" Program.
- 2.11. **Annual Reviews.** An annual review of the "3+3" / "3+4" Program will be conducted jointly by the parties to this Agreement. This will include:
 - 2.11.1. A review of enrolled students' performance and progress.
 - 2.11.2. A review of any changes to acceptance requirements
 - 2.11.3. A review of other changes to the agreement.

3. Article III: Program Timeline

The following is a summary of the timeline for the "3+3" / "3+4" Program:

- 3.1. Submit a request to enroll in the "3+3" / "3+4" Program to Mr. Baldwin before September 1 of their first term of Phase I so that appropriate advisement can begin.
- 3.2. Annually by October 15, or Pitt-Bradford's Mr. James Baldwin will submit the names and other information about the enrolled students on an Excel spreadsheet provided by LECOM, a paper form will be provided if requested, to the LECOM representative.
- 3.3. Eligible students will submit a completed PharmCAS application by January 10th of the year of matriculation.
- 3.4. Eligible students must complete the on-line LECOM supplemental application by January 10th of the year of matriculation.
- 3.5. Mr. James Baldwin will submit to LECOM via PharmCAS a separate letter of recommendation for each student by February 1 of the year of matriculation into Phase II.
- 3.6. Eligible students should take the PCAT no later than January 31 of their final year in phase I. The student must arrange for Harcourt Assessment to send the PCAT score to PharmCAS {PCAT code 104} so that it is available to LECOM prior to being interviewed for Phase II acceptance. Students who have not taken the PCAT or whose scores have not been received by the time they are scheduled for an interview will be required to undergo a written **skills** assessment on the day they are interviewed.

3.7. Following the receipt of a completed application (see section 4.6) and review by LECOM's admission committee, students who have met all of the academic requirements needed to enter Phase 11 will be offered an invitation to interview at the LECOM campus to which the student has applied.

3.8. LECOM will inform interviewees of their rejection or provisional acceptance by April 1st of the matriculation year. Full acceptance is granted once the matriculation deposit fee and all other required documentation are received by LECOM's Admissions Office.

3.9. **Table of Dates:** All dates, except 10/15, refer to year of matriculation

Deadline	Task	Responsibility of:
15-Oct	Submit annual enrollment form to LECOM	Mr. James Baldwin
10-Jan	Submit completed PharmCAS application	student
10-Jan	Submit completed LECOM supplemental application	student
31-Jan	Take PCAT	student
1-Feb	Submit letter of recommendation	Mr. James Baldwin
15-Mar	Personal interview	LECOM
1-Apr	Notification of acceptance or rejection	LECOM
1-Aug	All documents & fees have been submitted or paid	student

4. **Article IV: Admission to the Affiliated Program**

4.1. **Eligibility for Admission to Phase I.** All students who have met The University of Pittsburgh at Bradford's entrance requirements, who have been accepted to The University of Pittsburgh at Bradford as full time students, who are U.S. citizen and/or a permanent resident and who meet the Admissions Criteria listed in section 4.2 are eligible to enroll in Phase I of the "3+3" / "3+4" Program. Since enrollment is limited, The University of Pittsburgh at Bradford may not accept all those wishing to enroll. Students transferring from another college or university to The University of Pittsburgh at Bradford are not eligible to enter the "3+3" / "3+4"

4.2. **Admissions Criteria to Phase I (minimum)**

4.2.1.	SAT (Math + Verbal)	≥ 1170
	or	
	ACT Score	26
4.2.2.	High School Grade Point	3.5

4.3. **Eligibility for Admission to Phase II.** To be eligible for Phase II of the "3+3" / "3+4" Program, The University of Pittsburgh at Bradford students must:

- 4.3.1. Be enrolled as a full-time student and maintain that status throughout their participation in Phase I;
- 4.3.2. Be enrolled in Phase I of the "3+3" / "3+4" Program;
- 4.3.3. Be a U.S. citizen or permanent resident;
- 4.3.4. Satisfy the minimum course requirements outlined in Addendum C by completing the curriculum listed in Addendum A.
 - 4.3.4.1. Courses listed in Addendum A must be taken in consecutive regular terms; however, it is not necessary to follow the exact sequence of courses as listed in addendum A.
 - 4.3.4.2. Credit for courses taken during summer sessions will not be accepted to fulfill the minimum requirements listed in Addendum A and Addendum C.
 - 4.3.4.3. Courses listed in Addendum A must be completed by the end of the spring term prior to matriculation
 - 4.3.4.4. Students must be enrolled in enough courses each term to meet or exceed the total credit hours per term specified in Addendum A.
 - 4.3.4.5. Courses listed in Addendum A may not be repeated.
 - 4.3.4.6. A student may not "withdraw" from any course listed in Addendum A.
 - 4.3.4.7. A grade of "C" or better (as listed on the PharrnCAS application) must be achieved in any of the courses listed in Addendum A and Addendum C.
 - 4.3.4.8. Up to eight (8) credit hours of courses listed in Addendum C taken at another regionally accredited college or university while attending The University of Pittsburgh at Bradford or while in high school would satisfy the requirements of Addendum C but cannot be used to reduce the course load of Addendum A. Therefore, in order to meet the conditions set forth in section 4.3.4.4, a substitute course applicable to the field of medicine, pharmacy or a course of similar academic rigor, if approved by the Phase I advisor, must be taken.

- 4.3.4.9. LECOM will not accept Pass/Fail grades for courses listed in Addendum A and Addendum C.
- 4.3.4.10. LECOM will not accept CLEP credits to fulfill the minimum requirements listed in Addendum A and Addendum C.
- 4.3.4.11. The University of Pittsburgh at Bradford may accept Advanced Placement (AP) credits to fulfill the minimum requirements listed in Addendum A; however, LECOM will not accept AP credits to fulfill the requirements of Addendum C. A substitute course equal or greater in credit hours and in the same discipline as that replaced by the AP credits must be taken at The University of Pittsburgh at Bradford.

4.4. Admission Criteria for Phase II. Admission to LECOM is subject to the applicant's meeting the following minimum criteria:

- 4.4.1. PharmCAS overall GPA* 3.4
- 4.4.2. PharmCAS Science/Math GPA* 3.4
- 4.4.3. PCAT-Take the exam or undergo a writing assessment at the time of the interview
- 4.4.4. Participate in a personal interview.
- 4.4.5. Demonstrate a commitment to practice pharmacy and possess the personal and the professional character needed as a practicing pharmacist; e.g., they should have scientific aptitude, good interpersonal skills, and a desire to help others. They also must be conscientious and pay close attention to detail, because the decisions they make affect human lives.

*LECOM will use the grades listed on the PharmCAS application to calculate the GPA.

4.5. Admissions Procedure. To gain final acceptance to Phase II of the "3+3" / "3+4" Program, students must:

- 4.5.1. Apply to LECOM through PharmCAS by January 10th of the year of matriculation into Phase II.
- 4.5.2. Arrange for two letters of recommendation to be sent to PharmCAS; one must be from Mr. James Baldwin.

- 4.5.3. Complete the on-line LECOM secondary application by January 10th of the year of matriculation into Phase II.
- 4.5.4. Participate in an in-person interview by LECOM in the third year of Phase I, prior to admission to Phase II of the "3+3" / "3+4" Program. Interviews for recommended students will be conducted no later than early March of the matriculation year.
- 4.5.5. A writing assessment will be given to those enrolled students who have been recommended for an interview but have not taken the PCAT. On the day of the on-site interview, the applicant will have to write (by hand) an essay on a topic chosen by LECOM.

4.6. Application Contents {Phase II}. A completed application to Phase II of the Affiliated Program consists of the following:

- 4.6.1. A completed PharmCAS Application;
- 4.6.2. Official transcript(s) reflecting all college credit;
- 4.6.3. A copy of the PCAT scores, if taken, from the examination taken no later than January 31st of the year of intended matriculation at LECOM;
- 4.6.4. Two letters of recommendation including one from Mr. James Baldwin; and
- 4.6.5. A completed LECOM supplemental application

Items 4.6.1 through 4.6.4 must be submitted through PharmCAS. The LECOM supplemental application is submitted on-line using a special LECOM web portal.

4.7. Provisional Acceptance {Phase II}. Following the on-campus interview, LECOM will inform students of their provisional acceptance/rejection into Phase II of the "3+3" / "3+4" Program, contingent upon completion of Phase I and meeting all of the requirements listed for Phase II eligibility. Notification will be made no later than April 1.

4.8. Full Acceptance by LECOM. Full acceptance will be granted once the matriculation deposit fee and all required documentation are received by LECOM's Admissions Office.

4.8.1. All documents, e.g. transcripts, and fees must be received by LECOM's Office of Admissions by August 1 of the year of matriculation into Phase II.

4.8.2. Students matriculating into Phase II of the "3+3" / "3+4" Program must agree to abide by all rules, regulations and policies of LECOM as set forth in appropriate documents of the institution.

4.8.3. Final acceptance of candidates to Phase II of the "3+3" / "3+4" Program will be determined by LECOM.

4.9. **Notice of Intent to Enroll at LECOM.** Within the time frame specified on the letter of acceptance into the LECOM Doctor of Pharmacy Program (typically two to four weeks from the date of the letter), a successful applicant must notify the LECOM Admissions Coordinator that he or she wishes to enroll. The matriculation deposit fee must be paid within the time frame specified in the letter of acceptance, typically 30-days, in order to ensure their seat is reserved.

5. Article V: Degree Awarded

5.1. **Baccalaureate Degree for the "3+3"/"3+4" Program.** Students will be awarded a baccalaureate degree in an appropriate field from The University of Pittsburgh at Bradford upon completing the degree requirements as outlined in Addendum A and their first year at LECOM.

5.1.1. Students in this program must request a LECOM transcript be sent to their undergraduate school in order to receive their undergraduate degree. The transcript must show:

5.1.1.1. A grade of "C" or better in each course of the first semester of LECOM's curriculum

5.1.1.2. A minimum of 30 hours toward the Doctor of Pharmacy as outlined in Addendum B or Addendum D.

5.2. **Degree of Doctor of Pharmacy.** Students will be awarded the degree of Doctor of Pharmacy (Pharm. D.) by LECOM after successfully completing the entire three-year at Erie or four year at Bradenton pharmacy curriculum, and otherwise satisfying all of the other requirements as identified by LECOM for graduation.

6. Article VI: General Considerations

6.1. Publicity. The University of Pittsburgh at Bradford and LECOM may feature the "3+3" / "3+4" Program in their respective catalogues and admission activities, and can refer to the Program in their career counseling of students interested in Pharmacy.

6.2. Nondiscrimination/Sexual Harassment Clause. During the term of the Agreement, the Parties agree as follows:

6.2.1. To continue their respective policies of nondiscrimination based on Title VI of the Civil Rights Act of 1964 in regard to sex, age, race, color, creed, national origin, Title IX of the Education Amendments of 1972 and other applicable laws, as well as the provisions of the Americans with Disabilities Act.

6.2.2. To establish and maintain a written sexual harassment policy and shall inform their employees of the policy. The policy must contain a notice that sexual harassment, including discrimination based upon sexual orientation, will not be tolerated and employees who practice it will be disciplined.

6.3. Amendment of Requirements. From time to time, The University of Pittsburgh at Bradford may amend the requirements for the pre-pharmacy program and LECOM may amend the requirements for admission to the Doctor of Pharmacy Program.

6.3.1. Amendments to LECOM's admission requirements resulting from changes made by the LECOM's accreditation agencies will become effective in accordance with the dates specified by the agency making the change. The specified changes will apply to all students currently enrolled in the "3+3" / "3+4" Program and to all applicants to the "3+3" / "3+4" Program.

6.3.2. Any change(s) in LECOM's admission requirements, except those covered by line 6.3.1, shall not be effective for The University of Pittsburgh at Bradford students enrolled in the Program as of January 1st of the academic year to which the change(s) first apply. The new requirements will apply to all other students and applicants.

6.3.3. Any amendments made to the pre-pharmacy program requirements at Pitt-Bradford must comply with LECOM's requirements as set forth in Addendum C.

6.3.4. In the event that such amendment(s) may occur, the amending party shall notify the other of any change(s) prior to January 1st of the academic year to which the change(s) first apply.

6.4. Term of Agreement. This Agreement shall commence upon being signed by both parties and shall continue from academic year to academic year unless terminated.

6.5. Termination of Agreement. The University of Pittsburgh at Bradford or LECOM may terminate this Agreement for any reason with ninety (90) days written notice, which shall be given by Registered or Certified Mail directed to the attention of the President of the appropriate institution. Either party may terminate this Agreement in the event of a substantial breach. In the event of termination, the parties to this Agreement shall honor commitments to any student currently admitted to the "3+3" / "3+4" Program.

6.6. Interpretation of Agreement. The laws of the Commonwealth of Pennsylvania shall govern the interpretation and enforcement of this Agreement.

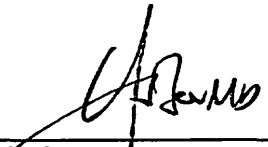
6.7. Liability. Neither LECOM nor The University of Pittsburgh at Bradford assumes any liabilities to each other. As to liability for damage, injuries or death to persons, or damages to property, The University of Pittsburgh at Bradford and LECOM do not waive any defense as a result of entering into this contract. This provision shall not be construed to limit the Commonwealth's rights, obligations, liabilities, claims or defenses that arise **as a** matter of law pursuant to any provisions of this contract. This provision shall not be construed to limit the sovereign immunity of the Commonwealth or the State System of Higher Education or The University of Pittsburgh at Bradford.

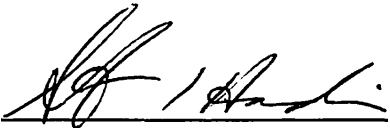
6.8. Modifications. The terms of this Agreement may not be modified unless a modification is agreed to by both parties, in writing.

6.9. Entire Agreement. This Agreement constitutes the entire Agreement between the parties and supersedes all prior communications, agreements and understandings, written or oral, with respect to the subject matter of this Agreement.

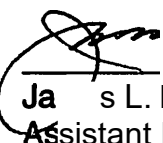
"3+3" AFFILIATION AGREEMENT
University Pittsburgh at Bradford

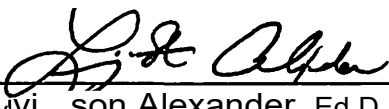
The "3+3" affiliation agreement, as presented in the preceding pages of this document, will become effective when all parties listed below have signed the agreement.

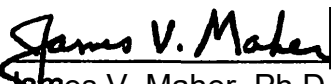
 11/9/05
 L.O. Fjney, M.D. Date
 Vice-President of Academic Affairs
 and Dean of the School of Pharmacy
 Lake Erie College of
 Osteopathic Medicine

 _____ Date
 Steven Hardin, Ph.D.
 Vice President and Dean of
 Academic Affairs
 University of Pittsburgh at Bradford

 1/11/07
 John M. Ferretti, Ph.D. Date
 President
 Lake Erie College of
 Osteopathic Medicine

 1/12/07
 James L. Baldwin Date
 Assistant Dean of Academic Affairs
 and Registrar
 University of Pittsburgh at Bradford

 12/4/07
 Levi Alexander, Ed.D. Date
 President
 University of Pittsburgh at Bradford

 1/2/07
 James V. Maher, Ph.D. Date
 Provost and Senior Vice Chancellor
 University of Pittsburgh at Bradford

ADDENDUM A

Phase I

B.S. IN CHEMISTRY CURRICULUM

FIRST YEAR at the University of Pittsburgh at Bradford

<u>FIRST SEMESTER</u>	<u>18 cr.</u>	<u>SECOND SEMESTER</u>	<u>18 cr.</u>
CHEM O101 General Chemistry 1		CHEM O102 General Chemistry 2	
BIOL 0101 Intro to Cell and Molecular		BIOL 0102 Intro to Biodiversity	
MATH 140 Calculus I		MATH O150 Calculus II	
ENG O101 Composition I		ENG O102 English Composition II	
PSY O101 Intro to Psychology		ECON O102 Microeconomics or ECON 0101 or 0103	

SECOND YEAR at the University of Pittsburgh at Bradford

<u>FIRST SEMESTER</u>	<u>17 cr.</u>	<u>SECOND SEMESTER</u>	<u>18 cr.</u>
CHEM 0206/0207 Organic Chemistry 1		CHEM 0208/0209 Organic Chemistry 2	
PHYS 0201/0203 Foundations of Physics 1 and Lab		PHYS0202/0204 Foundations of Physics 2 and Lab	
MATH 0201 Calculus III		GE elective	
MATH 0133 Statistics or PSY 0201 or ECON 0204		GE elective	
		GE elective	

THIRD YEAR at the University of Pittsburgh at Bradford

<u>FIRST SEMESTER</u>	<u>16 cr.</u>	<u>SECOND SEMESTER</u>	<u>17 cr.</u>
CHEM 0201 Intro to Analytical		CHEM 1305 Analytical Instrumentation	
CHEM 1301 Physical Chemistry I		CHEM 1302 Physical Chemistry II	
CHEM 1451 Capstone		CHEM 1451 Capstone	
GE elective		GE elective	
GE elective		GE elective	
PEDC elective			

Total Phase I credits = 104

ADDENDUM A

Phase/

B.S. IN BIOLOGY CURRICULUM

FIRST YEAR University of Pittsburgh at Bradford

FIRST SEMESTER 18 cr.

BIOL 0101 Intro to Cell and Molecular Biology
CHEM 0101 General Chemistry I
ENG 0101 English Composition
MATH 0132 or 0140 (Pre-Calculus or Calculus)
FS 0102 Freshman Seminar

SECOND SEMESTER 14-18 cr.

MATH 0140 Calculus
(if pre-Calculus is taken)
BIOL 0102 Introduction to
Biodiversity
CHEM 0102 General Chemistry II
ENG 0102 English Composition II
PSY 0101 Intro to Psych (or other
GE elective)

SECOND YEAR at the University of Pittsburgh at Bradford

FIRST SEMESTER 15 CR.

CHEM 0206, 0207 Organic I and Lab
BIOL 0217 Intro to Ecology and Evolution
PHYS 0101 Intro to Physics I or 0201
Foundations of Physics I
SOC 0101 Intro to Sociology (or GE elective)

SECOND SEMESTER 15 cr.

CHEM 0208, 0209 Organic II and
Lab
BIOL 0203 Genetics
PHYS 0102 Intro to Physics II or
0202
Foundations of Physics II
GE elective

THIRD YEAR at the University of Pittsburgh at Bradford

FIRST SEMESTER 15-16 cr.

BIOL 1451 Capstone
GE elective
GE elective
GE elective
BIOL upper-level elective

SECOND SEMESTER 15 cr.

BIOL 1453 Senior Seminar
GE elective
GE elective
PEDC elective
BIOL upper-level elective
BIOL upper-level elective or GE
elective

Total Phase I credits = 91-97

ADDENDUM B

Phase II

FOURTH YEAR (FIRST YEAR AT LECOMJ)

COURSE LISTING

PROFESSIONAL YEAR ONE

FALL/WINTER SEMESTER (38 Credits)

	Credits		Credits
Introduction to Pharmacy	3.5	Biochemistry I	3
Drug Information I	2	Pharmaceutics 11	4
Physiology & Anatomy I w/lab	3.5	Physiology & Anatomy II w/lab	3.5
Introduction to Health Care Delivery	3	Drug Information II	2
Introduction to Pharmaceutical Sciences	3	Service Learning: Health Care Delivery System	1
Pharmaceutics I	4	Immunology	2
		Pharmaceutical Calculations	2.5
		Pharmaceutical Calculations Lab	1
Total	19	Total	19

SPRING/SUMMER SEMESTER (34 Credits)

	Credits		Credits
Biochemistry II	2	Intermediate Pharmacy Practice Experience	1
Pharmacist Provided Care	2		
Sterile Dosage Forms w/ Lab	2		
Pharmacy Law and Ethics	3		
Microbiology w/lab	4		
Research Methods and Pharmacoepidemiology	3		
Effective Communication in Pharmacy Practice	2		
Total	18	Total	16

ADDENDUM B (CONT.)

FIFTH YEAR (SECOND YEAR AT LECOM)

COURSE LISTING

FALL/WINTER SEMESTER (38 Credits)

	Credits		Credits
Clinical Pharmacokinetics	3	Pharmacology/Medicinal Chemistry II	5
		Pharmacotherapeutics 11 w/ Lab	8
Pharmacotherapeutics I w/ Lab	5	Clinical Laboratory & Physical	3
Pharmacology/Medicinal Chemistry I	5	Pharmacy Practice Management	3
Professional Elective	3		
Alternative Medicine	3		
Total	19	Total	19

SPRING/SUMMER SEMESTER (36 Credits)

	Credits		Credits
Pharmacology/Medicinal Chemistry	5	Pharmacogenomics	2
Clinical Nutrition	1	Pharmacoeconomics & Outcomes Assessment	3
Pharmacotherapeutics III w/ lab	8	Pharmacotherapeutics IV w/ Lab	9
Patient Safety and Medical Related Errors	2	Professional Elective	3
Professional Elective	3		
Total	19	Total	17

ADDENDUM B (CONT.)

SIXTH YEAR / THIRD YEAR AT LECOMJ

COURSE LISTING

FALL/WINTER SEMESTER (30 Credits)

	Credits
Advanced Pharmacy	30
Practice Experience	0
Graduation Seminar	0
Total	30

SPRING/SUMMER SEMESTER (21 Credits)

	Credits
Advanced Pharmacy	2
Practice Experience	1
Graduation Seminar/Poster	1
Total	21

Total Professional Curriculum in Pharmacy

197 Credits

ADDENDUM C

MINIMUM UNDERGRADUATE COURSES & CREDIT HOURS NEEDED*

English	6 semester hours
Biology with Laboratory	8 semester hours
General Chemistry with Laboratory	8 semester hours
Organic Chemistry with Laboratory	8 semester hours
Physics	3 semester hours
Calculus	3 semester hours
Statistics	3 semester hours
Economics	3 semester hours
Psychology or Sociology	3 semester hours
General Education Electives **	15 semester hours

TOTAL: 60 credit hours

*CLEP credits may not be used to satisfy any of the minimum requirements.
High school AP credits may not be used to fulfill any of the minimum requirements.

..... General Education Electives should be in subject areas other than the above prerequisites; such as humanities and social sciences.

ADDENDUM D

Phase II

FOURTH YEAR (FIRST YEAR AT LECOM-BRADENTON)

COURSE LISTING

PI Fall		
Course Title	Credits	Course Number
Introduction to Pharmacy	2.0	600F
Health Care Delivery System	1.0	6SOF
Biochemistry & Molecular Biology	5.0	632F
Pharmaceutics I w/lab	4.0	602F
Physiology & Anatomy	4.0	620F
16 Credits		
PI Spring		
Pharmaceutical Calculations	1.0	617F
Microbiology w/lab	4.0	634F
Pharmacist Provided Care	2.0	608F
Pharmaceutics II w/lab	4.0	606F
Pharmacy Law and Ethics	2.0	689F
Drug Information	2.0	610F
Communicating and Counseling w/lab	1.0	618F
16 Credits		
Total Credits PI	32 Credits	

ADDENDUM D Cont.

Phase II

FIFTH YEAR (SECOND YEAR AT LECOM-BRADENTONJ

COURSE LISTING

P1 Fall		
Course Title	Credits	Course Number
Hospital IPPE	4	696F
Community IPPE	4	697F
Biophannaceutics	3	633F
Research Methods and Pharmacoepidemiology	2	693F
PS2 Professional Elective I	3	718F
16 Credits		
P2 Spring		
Clinical Pharmacokinetics	3	623F
Phannacology/Medicinal Chemistry I	3	603F
Clinical Laboratory and Physical Assessment	2	663F
Pharmacy Practice Management	2	706F
Pharmacotherapeutics I w/lab	4	624F
Alternative Medicine	2	611F
16 Credits		
Total Credits P2	32 Credits	

ADDENDUM D Cont.

Phase II

SIXTH YEAR (THIRD YEAR AT LECOM-BRADENTON)

COURSE LISTING

P3 Fall		
Course Title	Credits	Course Number
Pharmacotherapeutics II w/lab	5	625F
Pharmacology/Medicinal Chemistry II	4	605F
Pharmacogenomics	2	715F
PS3 Professional Elective II	2	720F
Drug Literature Evaluation	2	645F
PharmD Seminar I	1	730F
16 Credits		
P3 Spring		
Pharmacotherapeutics III w/lab	6	626F
Pharmacology/Medicinal Chemistry III	4	609F
Pharmacoeconomics and Outcome Assessment	3	707F
Public Health	2	651F
PharmD Seminar II	1	731F
16 Credits		
Total Credits P3	32 Credits	

ADDENDUM D Cont.

Phase I

SEVENTH YEAR (FOURTH YEAR AT LECOM-BRADENTON)

COURSE LISTING

P4 Year: 4 credits per Advanced Professional Practice Experience (APPE) = 36 credits); courses taken June through May, providing 9 APPEs@ 4 weeks each, 11 months to complete		
Course Title	Credits	Course Number
Advanced Community APPE	4	730F
Advanced Institutional APPE	4	731F
Acute Care Medicine I APPE	4	732F
Acute Care Medicine II APPE	4	733F
Ambulatory Care I APPE	4	734F
Ambulatory Care II APPE	4	735F
Elective I APPE	4	736F
Elective II APPE	4	737F
Elective III APPE	4	738F
Total Credits P4	36 Credits	