

UNIVERSITY OF APPALACHIA

COLLEGE OF PHARMACY

CATALOG

2007-2008



The UACP Course Catalog is not a contract with any individual, student, organization or other institution. The contents of this catalog are subject to change. Students are responsible for staying informed of current policies and procedures and course changes.

ACADEMIC CALENDAR P1 and P2 Classes 2007 – 2008

Summer Term, P2 2007

April 18, 2007	First day of Class
May 17-18, 2008	Board Reviews required attendance
May 21-June 8, 2007	CPPE I
June 11-June 29, 2007	CPPE II
July 2-6, 2007	Summer Break
July 9, 2007	Classes resume
July 20, 2007	Community Service
August 8, 2007	Last day of class
August 9-10, 2007	Remediation Examinations
August 13-17, 2007	Break

Fall Term, P1 and P2 2007

August 20-21, 2007	Orientation and Registration for P1/P2
August 22, 2007	First day of Class P1/P2
September 3, 2007	Labor Day Holiday
September 24, 2007	Community Service Day
October 15-19, 2007	Fall Break
November 21-23, 2007	Thanksgiving Holiday
December 14, 2007	Last day of Class Fall Term
December 17-19	Remediation Examinations
December 20, 2007 – January 2, 2008	Winter Break

Spring Term, P1 and P2 2008

January 3, 2008	First day of Class P1/P2
January 21, 2008	Martin Luther King Holiday
February 4, 2008	Community Service Day
March 3-7, 2008	Spring Break
April 23, 2008	Last day of Class Spring Term
April 24-25, 2008	Remediation and Study Days
April 28-30, 2008	Milestone Exams (P1/P2)
May 2, 2008	Remediation Milestone Exams

ACADEMIC CALENDAR 2007-2008 P3

Summer Term, 2007

April 18, 2007	First day of Class, summer term
May 17-18, 2007	Board Review (attendance required)
May 24, 2007	Last day of didactic instruction
May 25, 2007	Remediation Exams
May 29, 2007 – June 29, 2007	APPE I
July 2, 2007 – August 3, 2007	APPE II
August 6 – 10, 2007	Summer Break

Fall Term, 2007

August 13- September 14, 2007	APPE III
September 17 – October 19, 2007	APPE IV
October 22 – November 23, 2007	APPE V
November 26-December 28, 2007	APPE VI
December 31, 2007-January 6, 2008	Winter Break

Spring Term, 2008

January 7-Feb 8, 2008	APPE VII
February 11-March 14, 2008	APPE VIII
March 17-April 18, 2008	APPE IX
May 5-13, 2008	Board Review Law Review Milestone Exam
May 15, 2008	Honors Dinner
May 16, 2008	Class Day
May 17, 2008	Graduation

MISSION OF THE UNIVERSITY OF APPALACHIA COLLEGE OF PHARMACY

The University of Appalachia College of Pharmacy (UACP) will serve society through pharmaceutical education, scholarship, and public service. UACP will provide access to pharmacy education to the citizens of Central Appalachia and to individuals committed to the needs of rural and underserved communities in our country and throughout the world. This comprehensive program will equip pharmacists with the knowledge and skills to become competent medication therapy managers for patients and prescribers, and to become managers of medication distribution systems. UACP will educate pharmacists to understand and surpass the challenges of rural health care and to appreciate the need for lifelong learning as they endeavor to improve the quality of life of the underserved members of their communities.

Vision Statement

UACP will improve the general health and well-being of the citizens of Central Appalachia by training pharmacists to help meet the primary health care needs of rural communities, especially children, elders, and other underserved citizens. The instructional programs of UACP will prepare pharmacists to use emerging technologies to deliver medications and pharmacy services in a dynamic health care environment and advance the frontiers of knowledge in Pharmacy through "centers of excellence" in rural healthcare and drug abuse prevention.

UACP is committed to the following core values:

Excellence

We strive to meet and exceed, through continuous quality improvement, the highest standards of academic excellence and professionalism in service.

Professionalism

We create a climate that encourages personal development of ethical behavior, responsibility, dependability, and commitment among students, faculty, staff, and administration.

Social Responsibility

Education at UACP aims to develop a sense of social responsibility. Our major purpose is to contribute to the health and well being of patients, the community, and society in medically underserved regions. We will aim to shape public policy and health promotion at all levels.

Collaboration

We work together with other member schools, the healthcare community, and other specialties and organizations to foster collaboration and good morale among students, faculty, staff, and the community.

Lifelong Learning

We provide meaningful and innovative experiences that encourage and develop a lifelong commitment to learning and professional development of faculty, staff, preceptors, and other pharmacists.

Principles and Goals to Achieve the Mission

Education

- Provide an educational system that fosters critical thinking, problem solving, and entrepreneurship.
- Offer an educational experience that transforms students from dependent learners to independent thinkers.
- Support a curricular design that stresses the importance of early exposure to all facets of the profession of pharmacy.
- Design a curriculum that utilizes and is supported by technology.
- Create an environment that is supportive of diverse populations and considers the individual needs of students while encouraging interdisciplinary teamwork and communication.
- Utilize the block system of curricular design to provide students with the opportunity to study one content area intensely with course work integrated across disciplines.

Scholarship

- Endorse an educational focus on research, scholarly pursuits, and publication in the areas of the basic sciences and clinical pharmacy practice.
- Promote the scholarship of discovery by encouraging collaborative research and publication between basic science and clinical faculty.
- Advance the scholarship of teaching for optimal student learning and educational outcomes.
- Encourage scholarly inquiry into the benefits of patient-centered pharmaceutical care in improving outcomes.
- Support the educational and scholarly maturation and mentoring of students and faculty.

Pharmacy Practice

- Teach and deliver patient-centered care with effective communications and a focus on health literacy and cultural competence.
- Teach and deliver medication therapy management services, including clinical skills development, on-site consultation, outcomes assessment, reimbursement, protocol development, and marketing.
- Collaborate with health care providers, facilities, and organizations in a practice model that emphasizes the importance of the pharmacist as a key member of an interdisciplinary team.
- Promote excellence in the practice of pharmacy by reflecting contemporary practice and being agents of positive change in the vision for the future.

Service

- Grant early and longitudinal exposure to volunteerism with emphasis on community involvement through the Pharmacists in Community Service (PICS) program.
- Offer an educational experience that values and responds to the needs of rural and medically underserved communities.
- Enhance social and academic learning while developing character and citizenship skills.
- Provide leadership and service through faculty, staff, and student participation in UACP, community, and professional activities.

HISTORY OF THE UNIVERSITY OF APPALACHIA

The University of Appalachia was formed in July of 2003. The Buchanan County Board of Supervisors commissioned Frank Kilgore, its assistant county attorney and the University's founding chairman, to put together the legal and financial infrastructure of the private, non-profit university. The University's Board of Trustees then launched its first program, the University of Appalachia College of Pharmacy, Virginia's only three-year Doctor of Pharmacy program. Dozens of other individuals, agencies, foundations, and economic development entities gave, and continue to give, essential help to the start-up and momentum the institution now enjoys.

The College opened its doors to the first class of pharmacy students in August 2005 at the Slate Creek Campus in Grundy. In late 2005, the County donated the historical Garden High School campus to the college and that structure has now undergone extensive renovation as the main campus. This renovation was completed in December 2006 and the first year pharmacy students began classes there at that time. Presently the second year students are in class at the Slate Creek location and the first year class is utilizing the Garden campus. At this time the University is planning construction of a new building on the campus at Garden that will reunite the two campuses. The College of Pharmacy continues to grow and applications for admission continue to increase. For the class of 2010, the College has received over nearly 1000 applications.

The University continues its fundraising efforts to establish scholarships, endowments, and credibility with the academic community as well as with accrediting agencies. Since its beginning the University of Appalachia has raised over \$12,000,000 in grants and pledges. Further, the University has entered into several collaborative agreements with established undergraduate programs in the Central Appalachian region to provide community opportunities and stellar student applicants. Students enrolled at UACP are required to donate 50 hours of community service per year, totaling 150 hours, half of which must be work related to a health project and the remaining any community improvement project.

The history of the University of Appalachia, although short in duration, has laid the groundwork for growth and quality. To be sure, there are hurdles ahead with fundraising, recruiting top faculty and leadership talent, continuing to attract the best and brightest students, obtaining full accreditation, and growing new niche programs. However, if history is a guide, the outlook is favorable.

ACCREDITATION

State Council of Higher Education:

The State Council of Higher Education for Virginia (SCHEV) has certified the University of Appalachia to operate in Virginia.

Accreditation Council of Pharmacy Education:

The University of Appalachia College of Pharmacy is seeking accreditation from the Accreditation Council for Pharmacy Education (ACPE). ACPE accreditation involves three steps: Pre-candidate status, Candidate status, and Full accreditation. Pre-candidate accreditation status denotes a developmental Doctor of Pharmacy program that is expected to mature in accord with stated plans and within a defined time period. Pre-candidate accreditation status is awarded to a new Doctor of Pharmacy program that has not yet enrolled students. ACPE affirmed UACP's pre-candidate accreditation status in June 2005. UACP's precandidate status was re-affirmed in June 2006 with the addition of a cautionary statement. The College will have an ACPE site visit in April 2007 to evaluate the College for Candidate status.

Candidate accreditation status is awarded to a doctor of pharmacy program that has enrolled students, but has not yet had a graduating class. Full accreditation is awarded to a doctor of pharmacy program that has met all ACPE standards for accreditation and has graduated its first class. Graduates of a doctor of pharmacy program designated as having Candidate status have the same rights and privileges of those graduates from a fully accredited doctor of pharmacy program, generally including eligibility for licensure.

UACP cannot guarantee the outcome of its ACPE accreditation process, but we pledge to pursue full accreditation with all due diligence.

FACILITIES

The University of Appalachia College of Pharmacy (hereinafter the "College") has two campuses. The flagship campus is located at Oakwood, Virginia, in a newly renovated 1940 Civilian Conservation Corps building, containing approximately 25,000 square feet. It is a two story structure that contains a lecture hall converted from a gymnasium, a library, a student lab and a faculty lab, administration and faculty offices, student and faculty lounges, and a boardroom.

The College's second campus is located at Slate Creek on Route 83. This facility is approximately 10,000 square feet, and houses a large lecture hall, 3 student break-out rooms, a library, and faculty and staff offices.

Buchanan General Hospital initially provided office space for faculty and administrative staff during the early months of the University existence. This space is currently being used to house visiting faculty overnight, occasional use of the classroom (used for the

practical portion of the immunization course in the fall, 2006), and as the downlink site for telemedicine broadcasts of the Blue Ridge Poison Control Grand Rounds and occasional other Grand Rounds presentations as may be of interest from time to time.

During academic years 2006-07 and 2007-08, the first year pharmacy students occupy the Garden campus primarily. The second year, P2 students, occupy the Slate Creek campus. If construction of the new building proceeds as anticipated, by academic year 2008-09, both campuses will be united at the Garden campus.

Both campuses (Slate Creek and Garden) have library services, with a large amount of the collection available electronically from either campus or off campus. The hard bound copies of the library collection are divided between the two campuses. Some are duplicated and are available on both campuses; the faculty evaluated those hard bound books and journals for which only one copy is owned, and determined whether the content was most suited to the first year or second year needs, and the books were located accordingly. If a student needs a book that is not in the collection at his/her location however, a request can be made to the librarian and that book will be brought to the other location within 24 hours of the request.

Both campuses are wireless enabled, allowing students to access posted handouts, electronic library collection, email, internet resources from any location on either campus.

LIBRARY HOURS

During the academic year the libraries at both campuses are open Monday through Thursday 8:00 a.m. to 9:00 p.m, and Friday 8:00 a.m. to 5:00 p.m. Both libraries are open 8:00 a.m. to 5:00 p.m. on Saturday, and 1:00 p.m. to 9:00 p.m. on Sunday. Beginning May 29 when students are on rotations, both libraries will be open Monday through Friday from 8:00 a.m. to 5:00 p.m., and the Garden campus library will be open on Saturday 8:00 a.m. to 5:00 p.m. Changes to posted hours are listed on the library's website at www.uacp.org/library_resources.htm.

With the recent installation of a security system at the Garden campus, students in both classes may access the Garden facility using their ID for study, independent small group work and access to the electronic library between the hours of 7 a.m. and 11 p.m. daily.

The library is open to the public from 8 a.m. until 5 p.m. Monday through Friday except for University holidays.

BOARD OF TRUSTEES

Michael G. McGlothlin, Esq.
Chairman
Grundy, Virginia

Frannie Minton
Grundy, Virginia

Kemper J. Bausell
Grundy, Virginia

Ron Proffitt, Ed.D.
Abingdon, VA

Carroll Branham
Grundy, Virginia

Roger Powers
Grundy, Virginia

Scott Cole
Tazewell, Virginia

Roger Rife
Grundy, Virginia

Sherri Dawson, Ed.D.
Abingdon, Virginia

Thomas R. Scott, Esq.
Grundy, Virginia

Lucius Ellsworth, Ph.D.
Wise, Virginia

David Shanahan
Grundy, Virginia

Bob Hillman
Lebanon, Virginia

Steven Smith
Abingdon, Virginia

Frank Kilgore, Esq.
St. Paul, Virginia

Clint Sutherland, M.D.
Grundy, Virginia

Charles King, Ed.D.
Richlands, Virginia

Jim Viers, Ph.D.
Blacksburg, Virginia

Carroll Branham
Grundy, Virginia

The University of Appalachia is a Virginia-registered non-stock corporation. The powers, duties, and responsibilities of the governing Board of Trustees, President, Dean, and Faculty are contained in the Corporate Charter, Corporate By-Laws, and Academic Policies, which are on file in the Office of the Director of Academic Records and Admissions and available on request in the Dean's office.

ADMINISTRATION AND FACULTY

Donna Adkins, PharmD, CDM, Associate Professor of Pharmacy Practice
B.S., Pharmacy, University of Kentucky, PharmD, University of Kentucky.

Charles R. Breese, Ph.D., Chair of Pharmaceutical, Administrative and Social Sciences
B.S., Chemistry, University of North Carolina, Chapel Hill; Ph.D., Pharmacology and
Physiology, Bowman Gray School of Medicine, Wake Forest University.

Eleanor Sue Cantrell, BS in Pharmacy, M.D., President of the University of Appalachia and
Dean of the College of Pharmacy
B.S., Pharmacy, Medical College of Virginia; M.D., Medical College of Virginia.

Whitney J. A. Caudill, J.D., Associate General Counsel, Assistant Dean of Student and
Alumni Affairs, and Assistant Professor of Pharmacy Law
B.A., Government, University of Virginia; J.D., University of Tennessee College of Law.

David A. Gettman, Ph.D., Associate Professor of Pharmacy Administration
B.S., Pharmacy, University of Montana; M.B.A., College of William and Mary; Ph.D.,
Pharmacy Health Care Administration, University of Florida.

T. Williamson Hagen, II, Ph.D., Assistant Professor of Administrative and Social Science
B.S., Physics and Mathematics, East Tennessee State University, D.Min., Union Theological
Seminary, Ph.D., Counseling, Psychology and Student Personnel Services, University of
Georgia.

Trey Heim, PharmD, BCPS, Assistant Professor of Pharmacy Practice
PharmD, University of Southern Nevada.

Cherie Howard, PharmD, BCPS, Assistant Professor of Pharmacy Practice
B.S., Chemistry, Fort Valley State University; PharmD, Mercer University Southern School
of Pharmacy.

Holly Hurley, PharmD, Assistant Professor of Pharmacy Practice
B.S., East Tennessee State University; PharmD, Virginia Commonwealth University/Medical
College of Virginia School of Pharmacy.

Terry G. Kilgore, J.D., Dean of Institutional Advancement
B.A., Business Administration, University of Virginia – Wise formerly Clinch Valley
College; J.D., The College of William & Mary, Marshall-Wythe College of Law.

Su Young Lee, PharmD, BCPS, Assistant Professor of Pharmacy Practice
B.S. and M.S., Pharmacy, Seoul National University, PharmD, University of Minnesota
College of Pharmacy.

Rachel Maderik, M.S.L.S., Library Director and Instructor
B.S., Biology, University of Maryland, M.S., Library Science, Clarion University.

Susan Mayhew, PharmD, BCNSP, FASHP, Associate Dean of Pharmacy Practice
PharmD, University of Tennessee.

Sarah Melton, PharmD, BCPP, CGP, Associate Professor of Pharmacy Practice
B.S. in Pharmacy and PharmD, Virginia Commonwealth University/Medical College of
Virginia School of Pharmacy.

Jerry Nesamony, Ph.D., Assistant Professor of Pharmaceutics
B.S., Pharmacy/B.Pharm and Master of Pharmacy/M.Pharm (Pharmaceutics) degrees from
the College of Pharmaceutical Sciences, University of Kerala, India; Ph.D., Pharmaceutics,
University of Louisiana, Monroe.

Dean Reardon, Ph.D., Associate Professor of Pharmacology
Ph.D., Biomedical Sciences with a specialization in cancer biology, University of Texas
Health Science Center at Houston and the M. D. Anderson Cancer Center in Houston, Texas.

Cari Rice, PharmD, Assistant Professor of Pharmacy Practice
PharmD, University of Iowa College of Pharmacy.

STAFF

Director of Academic Records and Admissions	Veronica Keene, M.S.
Business Manager	Holli Harman
Director of Information Technology	Bill Hibbitts
Assistant Library Director	Anand Doshi
Maintenance Supervisor	Daniel Vandyke
Administrative Coordinator of Experiential Programs	Bobbi Pugh
Administrative Assistant to the Deans	Tonuya McGlothlin
Assistant to the President	Glenda Keene
Admissions Clerk	Sherrie Baldwin
Office Service Specialist	Amanda Keene

ADMISSIONS

The College follows standard policies and procedures for obtaining, selecting, and admitting applicants in a timely fashion. The Admissions Committee has full responsibility for the admissions process, including the consideration of applicants for candidacy and candidates for admission. The College does not discriminate on the basis of age, race, color, national origin, religion, disability, marital status, gender, or sexual orientation. .

To be eligible for admission to the Doctor of Pharmacy program, applicants must meet the following minimum criteria:

1. Complete a minimum of 69 semester credit hours of pre-pharmacy study as listed in the table below in an accredited college or university in the United States.

Prerequisite Courses	Required Credit Hours
General Biology with lab	8.0 Sem. Hrs.*
College Chemistry with lab	8.0 Sem. Hrs.*
Organic Chemistry with lab	8.0 Sem. Hrs.*
College Physics with lab	8.0 Sem. Hrs.*
Human Anatomy	3.0 Sem Hrs.
Human Physiology	3.0 Sem Hrs.
General Microbiology	3.0 Sem. Hrs
English Composition	6.0 Sem. Hrs.
College Mathematics	6.0 Sem. Hrs. * *
Public Speaking	3.0 Sem. Hrs
College Statistics	3.0 Sem. Hrs
Electives	10.0 Sem. Hrs.
TOTAL	69.0 Sem. Hrs.

* Two semesters or three quarters.

**Must include one semester of calculus.

2. Achieve a minimum cumulative grade point average of 2.75/4.0 or its equivalent in order to have their applications considered for admission.
3. Have a grade of “C” (or its equivalent) or better in all prerequisite courses.

All applicants that meet the minimum criteria will have their files evaluated. The file evaluation process will be competitive and the most qualified applicants will be invited for an on-campus interview. All prerequisite coursework must be completed within five calendar years of the time of application to the program.

The College utilizes a centralized application service called PharmCAS (Pharmacy College Application Service). Through PharmCAS, applicants submit a web-based application comprised of biographical data, post-secondary institutions attended, academic course history, work experience, extracurricular activities, and official transcripts from all accredited U.S. and Canadian institutions attended. PharmCAS allows students to submit a single application to apply to multiple PharmD programs. Students planning to apply to enter

UACP are **required** to utilize PharmCAS. Browse the PharmCAS website so you will be properly prepared with the materials needed to complete the application. Each applicant must also complete and submit the UACP Supplemental Application for Admission document. This document may be accessed and downloaded for submission from www.uacp.org/admissions.html.

A **non-refundable** fee of \$100 must accompany the supplemental application. The fee must be sent directly to the Registrar's office at UACP. Detailed information about UACP, its curriculum, the admission process, prerequisite courses, tuition and fees, financial aid, student life, and accreditation and certification status are also available at www.uacp.org.

Seat Deposit

Admitted student will receive a letter informing them of acceptance and requesting that a \$1000 seat deposit to be submitted to the College by a specified time. The seat deposit is credited toward the Fall Semester tuition. Half of the seat deposit (\$500) is not refundable should a student withdraw his/her acceptance.

Annual tuition and fees for the University of Appalachia College of Pharmacy will be \$26,453 for the entering class in the 2007 - 2008 Academic Year. Tuition is guaranteed not to increase for any individual student during the three years of a student's continuous enrollment.

Initial Tuition Payment

Students who are accepted to UACP must pay the balance of the first semester's tuition by the first day of enrollment in order to matriculate for the Fall Semester. Please see the Tuition and Fees section of the University of Appalachia College of Pharmacy website at www.uacp.org/fees.html for a complete tuition payment schedule.

Tuition and Fees Schedule for 2007 - 2008

Standard Fees	Amount
Tuition	\$24,615
Student Activities Fee	\$337
Student Government Fee	\$122
Clerkship/Practicum Fee	\$582
Technology Fee	\$797
Total Tuition and Fees	\$26,453
Additional Fees:	
Admission Application Fee	\$100
Seat Deposit Fee *(Applied to Fall tuition)	\$1,000
Remediation Fee **	\$1,500

- The Student Activities Fee covers costs related to participation in intramural sports and clubs.
- The Student Government Fee covers annual student membership in a professional pharmacy organization.
- The Clerkship/Practicum Fee covers costs associated with experiential training at clerkships sites.
- The Technology Fee covers costs associated with providing networking and equipment for students.

* The Seat Deposit Fee will be credited toward Fall Semester Tuition for the first year of enrollment, and it is **non-refundable**.

** The Remediation Fee applies only to students who are on academic probation.

Estimated Cost of Living

Below is a list of estimated Cost of Living expenses which a student may incur while attending the University of Appalachia College of Pharmacy during the 2006-2007 academic year. Please note these expenses are in addition to tuition and fees, which differ depending upon the student's academic level, i.e., P1, P2, or P3 (see [Tuition and Fees](#) for the current year's costs). These estimates may be used for calculating student expenditures.

Required textbooks will cost approximately \$1000 per year.

Housing	\$5,500 (based upon \$500/month for 11 months)
Utilities	\$1,760 (\$160/month)
Food	\$3,190 (\$290/month)
Incidentals	\$770 (\$70/month)
Transportation	\$1,585 Annually

WITHDRAWAL FROM CLASSES AND REFUND OF TUITION

The College has established an equitable refund policy for all students who find it necessary to withdraw from the College. Seat deposits and matriculation fees are not refundable.

The College charges tuition based on the academic term. Therefore, calculations to determine the amount of refund entitled to a student are based upon the percentage of the academic year in which the student was enrolled. The academic year is measured beginning on the first day of classes or experiential practice and ending on the last day of classes or exams.

Students who decide to withdraw or request a leave of absence during the academic year must submit prior written notification to the Director of Academic Records and Admissions. The effective date of withdrawal is the date of the submission of the student's official request to withdraw. The following applies to all students:

Withdrawal on or During	Amount Tuition and Fee Refund
Days 1 -3 of classes	100% less \$100 administrative fee
After day 3 of classes and up to 10% of academic year	90% less \$100 administrative fee
Over 10% and up to 20% of academic year	80% less \$100 administrative fee
Over 20% and up to 30% of academic year	70% less \$100 administrative fee
Over 30% and up to 40% of academic year	60% less \$100 administrative fee
Over 40% and up to 50% of academic year	50% less \$100 administrative fee
Over 50% and up to 60% of academic year	40% less \$100 administrative fee
Over 60% of academic year	No refund

Refunds will be remitted within 45 days following receipt of a written request or within 45 days of the date upon which the student last attended classes, whichever is earliest. Any questions concerning the refund policy should be directed to the Dean of the College. Students attending the College through tuition waivers or scholarships will not receive a cash refund for the portion of the tuition paid or waived by other sources.

The College reserves the right to amend its refund policy at any time, but any amendments will only be effective for academic years that begin following written notice of the amendment.

FINANCIAL AID

Until the College is accredited by the Southern Association for Colleges and Schools (SACS) and the ACPE, it will not qualify for Title IV federally-guaranteed financial aid. The College will not be eligible for SACS accreditation until receiving full accreditation from ACPE and having its credentials reviewed by an accrediting team from SACS. In the interim, the College will work with banks and private lending institutions to attempt to secure affordable financial aid for qualified students. Students must receive a letter of admission from the Admissions Office before the financial assistance process can begin. Applications for scholarships will be forwarded to students once their \$1,000 Seat Deposit fee is received.

Students will need good personal credit ratings, loan guarantors, or collateral to meet most loan requirements.

The College will also award a limited number of scholarship loans to qualified students based on merit and financial need. Some local programs are available that are residency specific, including a war veteran revolving loan in the form of partial tuition waivers. The amounts of those waivers depend upon successful applicants pro-actively pursuing them, students meeting qualification standards, and the amount of such funds available. Some second and

third year pharmacy students, especially those doing well in their performance, acquire pharmacy sponsorship loans from pharmacies and the pharmaceutical profession. We hold an annual career fair to help facilitate that process, but again, there is no guarantee you will be offered such a sponsorship.

CURRICULUM

The College offers a sequence of courses designed to lead to a doctor of pharmacy degree. Requirements for the degree include completion of 150 credits, including 1900 hours of experiential coursework, and three academic years of full-time residence. In addition, a student must obtain a cumulative grade point average of C or better in order to graduate.

COURSE DESCRIPTIONS:

PHA 0100 Introduction to Pharmacy and Health Care Systems *3 Credits*

- A study of the history of pharmacy and the role of pharmacy in US health care systems.

PHA 0110 Biochemistry and Cellular Biology *3 Credits*

- Studies the basic concepts of mammalian biochemistry including the biosynthesis of proteins, nucleic acid structure and function in gene expression at the cellular level in both normal and disease states. Classification of enzymes and coenzymes, enzyme kinetics and regulation, drug biotransformation, drug receptor properties, fundamentals of pattern recognition that relate chemical structure to pharmacological action, membrane structure and transport, and mechanisms of signal transduction

PHA 0115 Metabolic Biochemistry and Nutrition *4 Credits*

- Studies basic concepts and principles of mammalian biochemistry including chemistry, biosynthesis and metabolism of carbohydrates, lipids and amino acids at the cellular level in normal and disease states. Principles of energy transformation are also studied.

PHA 0120 Pharmaceutical Calculations *3 Credits*

- Fundamentals of measurement and calculation, measurement systems, dosage and concentration units, electrolyte solutions, and calculations related to compounding

PHA 0125 Pharmaceutics and Biopharmaceutics *4 Credits*

- Studies the application of physical and chemical principles to the development, preparation, and stabilization of pharmaceutical dosage forms. Discusses biological and physicochemical factors that influence the availability of a drug from a dosage form and the subsequent disposition and response of the drug in the body; introduces drug dose-response curves. Introduces basic laboratory concepts and skills in pharmaceutical compounding of non-parenteral formulation and the admixing and sterile preparation of parenteral dosage forms.

PHA 0130 Principles of Immunology and Hematology *3 Credits*

- A study of the immune system and the fundamental principles related to host defense mechanisms and the immunological response to immune triggers; a brief introduction to the formation of the cellular components of the blood.

PHA 0135 Introduction to Jurisprudence and Pharmacy Law *1 credit*

- Instructs basic provisions of State and Federal pharmacy laws and regulations pertaining to pharmacy practice, licensure, controlled substances, legal liabilities, laws and regulations of other health care providers, and pharmacy case law.

PHA 0140 Communication and Professional Development *2 Credit*

- This course emphasizes the importance of communication in contemporary pharmacy practice; students are assessed and evaluated in both oral and written formats. Course content includes study of various aspects of communication associated with pharmacy practice. Introduces and discusses social and ethical aspects of contemporary pharmacy practice.

PHA 0145 Introduction to Anti-infective Agents *4 Credits*

- Studies medical microbiology and the mechanisms of disease states related to bacterial, viral, fungal, parasitic and protozoal infective agents, host responses, drug actions, the medicinal chemistry, and pharmacology of the spectrum of anti-infective agents.

PHA 0150 Central Nervous/Autonomic Nervous System: Medicinal Chemistry and Pharmacology *5 Credits*

- Introduction to classic drug-receptor pharmacology. Studies basic concepts of pathophysiology of common diseases of the CNS/ANS and the pharmacology and medicinal chemistry as applied to medications that act on the nervous system and the neuromuscular junction; studies basic principles of drug action and the chemical properties, primary pharmacological actions, mechanisms of drug action, routes of administration, disposition, contraindications, adverse reactions, clinically significant drug interactions, and drug disease interaction.

PHA 0155 Gastrointestinal Pharmacology and Medicinal Chemistry *2 Credits*

- Studies the basic pathophysiology of common diseases of the gastrointestinal tract and the pharmacology and medicinal chemistry of medications that act on the gastrointestinal tract. Studies basic principles of drug action and describes chemical properties, primary pharmacological actions, and mechanisms of drug action, routes of administration, disposition, contraindications, adverse reactions, clinically significant drug interactions, and drug disease interactions.

PHA 0160 Cardiovascular, Renal, and Pulmonary: Pharmacology and Medicinal Chemistry *4 Credits*

- Studies basic concepts of pharmacology and medicinal chemistry as applied to medications that act on the cardiovascular, renal, pulmonary and hematological system, including coagulation and anticoagulation. Studies the basic pathophysiology of common disease states of the cardiovascular, renal, pulmonary and hematological systems and the basic principles of drug action and the chemical properties, primary pharmacological actions, mechanisms of drug action, routes of administration, disposition, contraindications, adverse reactions, clinically significant drug interactions, and drug disease interactions. Studies pathophysiology and pharmacology of treatment of lipid disorders.

PHA 0165 Endocrine System: Pharmacology and Medicinal Chemistry 3 Credits

- Studies the basic pathophysiology of disease states of the endocrine organs and introduces basic concepts of pharmacology and medicinal chemistry as applied to medications that act on the endocrine system. Discusses basic principles of drug action and describes chemical properties, primary pharmacological actions, mechanisms of drug action, route of administration, disposition, contraindications, adverse reactions, clinically significant drug interactions, and drug disease interaction.

PHA 0170 Clinical Toxicology 2 Credits

- Studies the basic principles of toxicology and an introduction to clinical toxicology.

PHA 0175 Pharmaceutics Lab I 1 Credit

- Teaches basic laboratory concepts and skills in pharmaceutical compounding of non-parenteral formulation, and the admixing and sterile preparation of parenteral dosages forms.

PHA 0180 OTC Products 2 Credits

- Studies over-the-counter medications, appliances, durable medical supplies and equipment commonly encountered in the practice of pharmacy.

PHA 0200 Applied Clinical Pharmacokinetics 2 Credits

- Discusses the absorption, distribution, metabolism, and elimination of medications in the body; describes the effect of physiological changes on the distribution and elimination of medications from the body including introduction to pharmacogenomics concepts; evaluates the use of formulas and nomograms to design individualized drug dosage regimens taking into consideration such factors as changes in plasma protein binding, hepatic dysfunction, and renal impairment.

PHA 0205 Introduction to Pharmacotherapeutics and the Law 1 Credit

- Introduces the practical applications of pharmacy practice, with an emphasis on patient assessment, documentation and communication/counseling. Reviews state and Federal laws, and regulations pertaining to pharmacy practice, licensure, controlled substances, and other regulations. (*this course will be replaced by PHA 0135 Introduction to Jurisprudence and Pharmacy Law in 2008*)

PHA 0210 Drug Information and Biostatistics 3 Credits

- Studies basic concepts of biostatistics and study design; studies the evaluation of drug literature; studies searching and retrieving the clinical and basic science literature. Shows students methods to abstract and communicate pertinent information in concise and professional manner.

PHA 0215 Pharmacy Administration 3 Credits

- Studies pharmacy management, pharmacoepidemiology, pharmacoeconomics and health outcomes/quality of life.

PHA 0220 Diseases of the Renal System and Fluid and Electrolyte Disorders

4 Credits

- Studies anatomy, pathophysiology, physical assessment, pharmacology, therapeutics, clinical pharmacokinetics, and considerations in special populations as it relates to major diseases of the kidneys, and fluid and electrolyte disorders.

PHA 0225 Diseases of the Immune System, Skin and Connective Tissue Disorders

3 Credits

- Studies anatomy, pathophysiology, physical assessment, pharmacology, therapeutics, clinical pharmacokinetics, patient care, alternative/complimentary therapies, pharmacoeconomic issues, medication use in special populations, and review of pertinent drug literature as related to common immune disorders and diseases of the skin and connective tissues.

PHA 0230 Infectious Disease I

3 Credits

- Studies anatomy pathophysiology, physical assessment, pharmacology, pharmacotherapeutics, clinical pharmacokinetics, pharmacoeconomic issues, medication use in special populations, and review of pertinent drug literature as they related to common infectious processes.

PHA 0235 Infectious Disease II

3 Credits

- Continues the study of infectious disease processes.

PHA 0240 Diseases of Cardiovascular and Respiratory Systems I

3 Credits

- Studies the anatomy, pathophysiology, physical assessment, pharmacology, pharmacotherapy, clinical pharmacokinetics, alternative/complimentary therapies, pharmacoeconomic issues, medication use in special populations, and review of pertinent drug literature as related to major cardiovascular and respiratory disorders.

PHA 0245 Diseases of Cardiovascular and Respiratory Systems II

3 Credits

- Studies of CV and Respiratory continued.

PHA 0250 Physical Assessment

1 Credit

- Teaches the fundamentals of physical assessment and presentations for commonly occurring disease states; teaches the correct method of measuring blood pressure, and other vital signs, including BMI and the correct interpretation of results, and counseling points. Teaches commonly employed medical terminology.

PHA 0260 Pharmaceutics Lab II

1 Credit

- Teaches advanced laboratory concepts and skills in pharmaceutical compounding.

PHA 0265 Disease of the Endocrine and Reproductive System

4 Credits

- Studies the anatomy, pathophysiology, physical assessment, pharmacology, therapeutics, clinical pharmacokinetics, patient care, alternative/complimentary therapies, pharmacoeconomic issues, medication use in special populations, and review of pertinent drug literature as they relate to major diseases of the endocrine system, including reproductive system and contraceptives.

PHA 0270 Diseases of the Hematological System and Oncological Disorders

5 Credits

- Studies the anatomy, pathophysiology, pharmacology, therapeutics, physical assessment, clinical pharmacokinetics, patient care, alternative/complimentary therapies, pharmacoeconomic issues, medication use in special populations and review of pertinent literature as they relate to common hematological and Oncological conditions.

PHA 0275 Diseases of the Gastrointestinal System, Disorders of Nutrition and Metabolism and Bariatrics

4 Credits

- Studies the anatomy, pathophysiology, physical assessment, pharmacology, therapeutics, clinical pharmacokinetics, patient care, alternative/complimentary therapies, pharmacoeconomic issues, medication use in special populations, and review of pertinent drug literature as they relate to common diseases of the gastrointestinal system, and disorders of nutrition and metabolism, and special considerations related to bariatrics.

PHA 0280 Diseases of the Neurological System

2 Credits

- Studies the anatomy, pathophysiology, physical assessment, pharmacology, therapeutics, clinical pharmacokinetics, patient care, alternative/complimentary therapies, pharmacoeconomic issues, medication use in special populations and review of pertinent drug literature as related to major neurological disorders.

PHA 0285 Psychiatric Disorders

4 Credits

- Studies the anatomy, pathophysiology, pharmacology, physical assessment, therapeutics, clinical pharmacokinetics, patient care, alternative/complimentary therapies, pharmacoeconomic issues, medication use in special populations, and review of pertinent drug literature as they relate to psychiatric disorders.

PHA 0290 Pharmacotherapeutic Considerations in Special Populations (Pediatrics, Geriatrics, Pregnancy/Lactation)

4 Credits

- Studies anatomy, special considerations in pathophysiology, pharmacology, therapeutics, clinical pharmacokinetics, patient care, alternative/complimentary therapies, pharmacoeconomic issues, medication use in special populations, and review of pertinent drug literature as they relate to special clinical conditions and populations.

PHA 0300 Advanced Jurisprudence and Pharmacy Law

2 Credits

- Studies provisions of State and Federal pharmacy laws and regulations pertaining to pharmacy practice, licensure, controlled substances, legal liabilities, laws and regulations of other health care providers, and pharmacy case law.

PHA 0305 Therapeutic Case Challenges

1 Credit

- Uses patient case scenarios to develop critical thinking skills and evidence-based pharmacotherapeutic approaches to problem solving and patient medication management.

Experiential Curriculum:

PHA 1010 EPPE I	<i>1 Credit</i>
PHA 1020-1030 EPPE II Fall and Spring P2 year Student will meet with patient 2 hours per week. Forums will be scheduled with faculty and preceptors every other week.	<i>1 Credit</i>
PHA 2010 CPPE I	<i>3 Credits</i>
PHA 2020 CPPE II	<i>3 Credits</i>
PHA 3010-3080 APPE I through VIII	<i>5 Credits Each</i>

Electives:

PHA 4010 History of Pharmacy	<i>1 Credit</i>
PHA 4020 Drugs in Pregnancy and Lactation • Examine teratogenic effect of drugs and the use of drugs during pregnancy and lactation	<i>1 Credit</i>
PHA 4030 Advanced Compounding Lab	<i>1 Credit</i>
PHA 4040 Pharmacoepidemiology	<i>1 Credit</i>
PHA 4050 Neurophysiology	<i>1 Credit</i>
PHA 4060 Pharmacoeconomics	<i>1 Credit</i>
PHA 4080 Pharmacy Entrepreneurship	<i>1 Credit</i>
PHA 4090 Advanced Nutritional Support	<i>1 Credit</i>
PHA 4100 Complimentary and Integrative Medicine • Studies commonly used and discussed herbal and natural products, pharmacology, drug interactions; studies other non-pharmacologic alternatives.	<i>1 Credit</i>

STUDENT ORGANIZATIONS

Student Government Association

As the elected representation of the student body, the SGA serves as the collective voice of the student body to both the faculty and the staff. Additionally, the SGA is responsible for providing feedback and/or offering suggestions regarding existing policy as well as proposed new policy. The SGA also is responsible for organizing social and intramural activities for the student body.

Joint Organizational Committee

The Joint Organization Committee (JOC) encompasses three professional pharmacy organizations: American Pharmacists Association (APhA), American Society of Health-System Pharmacists (ASHP), & National Community Pharmacists Association (NCPA). Our goal is to promote the profession of pharmacy through the active involvement of student pharmacists. By becoming involved in our communities through healthcare outreach, the members of JOC strive to better the lives of county and regional residents. As active members in national organizations, JOC will assist with UACP's goal of producing pharmacists who will ultimately provide optimal pharmaceutical care.

ACADEMIC POLICIES

The University of Appalachia College of Pharmacy policies contain rules governing student academic conduct, registration, attendance, examinations, grading standards and policies, discipline, leaves of absence, and graduation requirements. A copy of the Academic Policies is given to each matriculating student during Orientation and Registration. Copies of the Academic Policies are also available by request from the Director of Academic Records and Admissions, and are kept on reserve in the Library. Some essential provisions are summarized below.

Other official University of Appalachia College of Pharmacy policies affecting students are collected in the Student Handbook, which is given to each matriculating student during Orientation. Students are responsible for reading and becoming familiar with these policies, and for keeping their Student Handbooks up to date as new or revised policies are distributed.

Full-time Status

All students must enroll in the complete prescribed sequences of blocks for each term in which they are enrolled. Part-time enrollment is not permitted at the University of Appalachia College Pharmacy.

Academic Standards

An individual student grade of 70% or greater is required to pass any block. Students whose individual score is less than 70.0 % on any block must complete a remediation exam. If there are multiple exams in any one block, an average of 70.0 % or greater of all the exams is required to pass the block.

If a student fails more than three blocks in any one semester, that student will not be permitted to remediate and will be dismissed from the College. The student's status will be

dismissed not in good academic standing. There will be no tuition refund for students who leave the College not in good academic standing.

Students who are dismissed not in good academic standing may request re-admission through the College's admissions process. Students who are dismissed from the program are not assured of re-admission.

Exams and Grade Reports

Exams at the end or during the block will be used to gauge students' mastery of the subject material.

Grade reports are mailed by the Office of the Director of Student Records and Admissions at the end of each semester.

STUDENT FILES

The Director of Academic Records and Admissions (the "Registrar") is responsible for maintaining and updating student files. Faculty and administration have access to student files for legitimate educational purposes and business only.

Records of students and graduates are maintained in accordance with all applicable federal and state laws. The College maintains an academic record for each student, including information related to academic and clinical performance in all phases of the student's coursework. Course grades are documented in the student's file and maintained by the Registrar.

The University of Appalachia complies fully with the Buckley Amendment, formally known as the Family Educational Rights and Privacy Act of 1974 (FERPA), which establishes that a post-secondary student has the right to inspect and review his or her academic records, and prohibits outside parties from obtaining the information contained in these records without the student's written consent. Students may notify the Registrar in writing if they desire to restrict the release of directory information about them to third parties. However, a student may waive the right to review certain confidential information contained in his or her file. Students may access their files by making a request to the Registrar.

DISABILITY AND ACCOMMODATION POLICY

The University of Appalachia (the University) and its programs do not discriminate against individuals with disabilities in its programs, as those disabilities are defined in Section 504 of the Rehabilitation Act of 1973, 29 U.S.C. § 706; 45 C.F.R. § 84.3(k)(3); and the Americans with Disabilities Act, 42 U.S.C. §§ 12101, et seq. In an effort to provide full opportunities to individuals with disabilities, the University offers individualization and reasonable accommodation as required by law. Reasonable accommodations are those that do not fundamentally alter the nature of the University's educational program, and can be provided without undue financial or administrative burden, and without lowering academic or other essential performance standards.

Students with medically verifiable disabilities may be provided extra time or other reasonable accommodations for completing examinations. Petitions for accommodations must be made to the Dean by September 1 of each academic year for which the student desires them. Each petition should be accompanied by evidence of the medical condition and evidence detailing the accommodations which have been provided the student in past educational settings or examinations. Particular weight is given to accommodations provided in taking the PCAT. The student whose request is granted is responsible for making appropriate arrangements with the School administration.

Individuals who believe they have been discriminated against on the basis of a disability may file a complaint under the University's Grievance Policy contained in the Student Handbook and Catalog, which are distributed to students at the beginning of each academic year.

For additional information on these or other policies please refer to the Student Handbook which can be found at <http://www.uacp.org>.