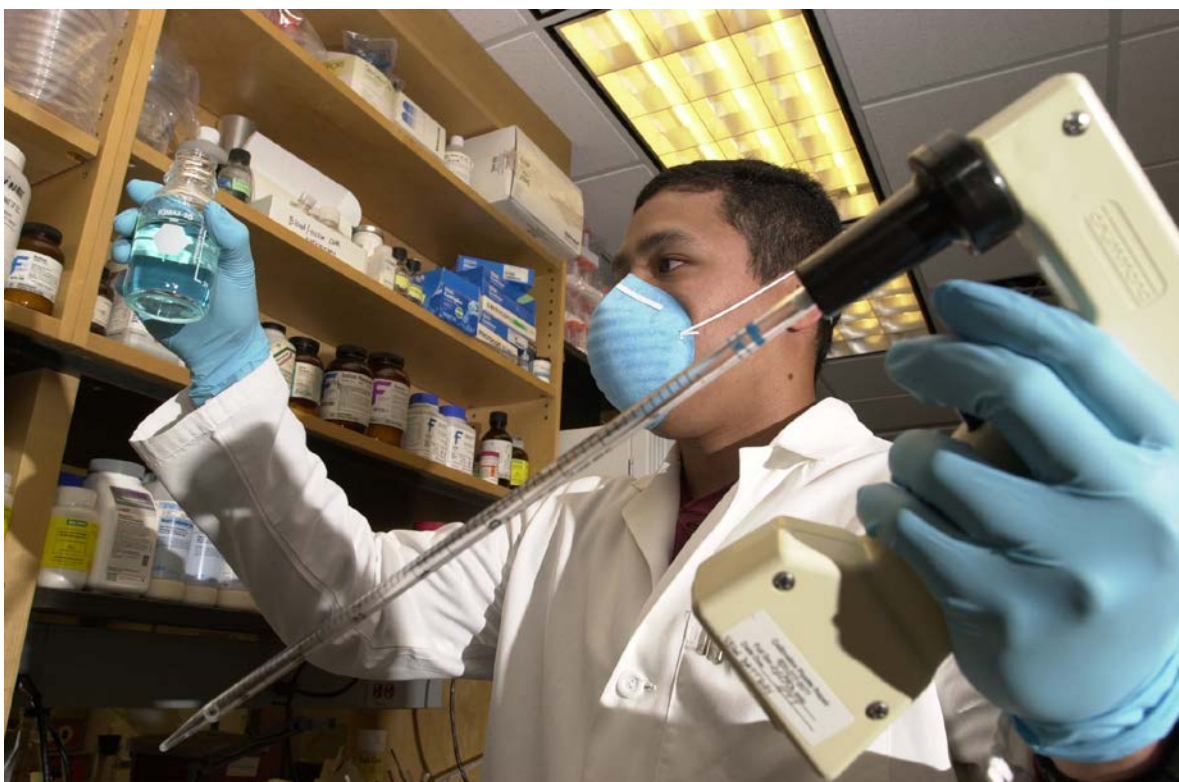


COLLEGE OF PHARMACY



Changes to Note

The USF Graduate Council approved the following on the dates noted.

Majors

Pharmaceutical Nanotechnology	M.S.	Change Major – New Concentrations in Biomedical Engineering (PNB) and Drug Discovery, Delivery, Development and Manufacturing (DDD)	4/2/18
Pharmacy	Pharm.D.	New Accelerated Program Option: BS (Honors) to Pharm.D.	2/5/18
Pharmacy	Pharm.D.	Change Major – update curriculum; increase to 152 hours	3/5/18

University of South Florida
College of Pharmacy
12901 Bruce B. Downs Blvd.
Tampa, FL 33612

Web address: <http://health.usf.edu/pharmacy/index.htm>
Phone: 813-974-5699
Fax: 813-905-9890

College Dean: Kevin Sneed, Pharm.D.
Associate Dean for Academic Affairs: Amy H. Schwartz, Pharm.D.
Associate Dean, Graduate Programs: Shyam Mohapatra, Ph.D., M.B.A.

Accreditation:

The College of Pharmacy (COP) is accredited by the Accreditation Council for Pharmacy Education (ACPE). Additional information can be found on the USF and COP websites.

Mission Statement:

The USF College of Pharmacy's mission is to Revolutionize Health by:

- Innovation of patient centered healthcare through education, research, and service
- Empowerment of students, professionals, and patients as catalysts for change at all levels of health.

Vision

By 2019, USF College of Pharmacy will achieve interprofessional excellence in:

- Geriatrics
- Personalized Medicine
- Informatics
- Leadership

Values

- Innovation
- Leadership
- Diversity
- Interprofessional collaboration
- Interdisciplinary research
- Evidence-based applications
- Teamwork
- Life-long learning

Research Facilities

The College of Pharmacy has established alliances and affiliations with a number of Centers and Institutes at USF in its efforts to:

- 1) Provide research and educational opportunities (faculty and students);
- 2) Foster and promote interdisciplinary research;
- 3) Advance research, innovation and academic entrepreneurship in emerging technologies.

The Centers with which the COP has established affiliations are as follows:

- Byrd Alzheimer's Institute
- Center for Advanced Medical Learning and Simulation (CAMLs)
- The Florida Center of Excellence for Drug Discovery and Innovation (CDDI)
- USF Nanomedicine Research Center

Major Research Areas

Faculty research areas are accessible through the following web link:

<http://health.usf.edu/pharmacy/research/index.htm>

College Information:

The USF College of Pharmacy (COP) was established in 2010 to offer the Doctor of Pharmacy (Pharm.D.) degree.

The COP mission aligns with the USF Mission by:

1. providing a competitive professional program in pharmacy;
2. producing knowledge, promoting intellectual development, and certifying student success in a global environment; and
3. providing interdisciplinary education, research, and service through health-related disciplines.

The Doctor of Pharmacy didactic and experiential curriculum encompasses interprofessional, patient-centered pharmaceutical care, translational research opportunities, and community-focused service learning in an effort to produce competent pharmacy practitioners. The COP plans to maximize the advantages associated with being part of Florida's leading metropolitan research university through collaborations with other disciplines and programs across the USF campus.

COP founded its Office of Graduate Programs in 2013. The vision for graduate education at COP included developing cutting-edge research training and education including both didactic (on-line and in-class) in several areas of Pharmacy, creating a diverse learning environment for students and faculty and creating advanced learning opportunities using the emerging technologies.

Consistent with USF's mission, the strategic goals of OGP include:

1. to enhance domestic and international recruitment, enrollment, and retention of graduate students that reflects diversity,
2. to strive to enhance the academic experience of and the quality of life for graduate students,
3. to pursue research funding and conduct and publish research that leads to opportunities for graduate student success,
4. to partner with the other USF Colleges and SUS institutions to develop creative initiatives that promote graduate student research, and
5. to serve as a leader in promoting interdisciplinary graduate programs.

A Master of Science in Pharmaceutical Nanotechnology was approved and OGP plans to develop additional initiatives for Graduate Certificates and a Ph.D. degree program in addition to concurrent degree programs at the COP.

Degrees, Majors, and Concentrations Offered:**Master of Science in Pharmaceutical Nanotechnology (M.S.)**

Pharmaceutical Nanotechnology (PNT)

Biomedical Engineering (PNB)

Drug Discovery, Delivery, Development & Manufacturing (DDD)

Doctor of Pharmacy (Pharm.D.)

Pharmacy

Pharmacy and Health Education (RXHE)

Graduate Certificates Offered:

<http://www.usf.edu/innovative-education/programs/graduate-certificates/>

For information on graduate majors and certificates offered through the College of Pharmacy, please contact Pharmacygraduateprogram@health.usf.edu or the Office of Graduate Certificates.

PHARMACEUTICAL NANOTECHNOLOGY

Master of Science (M.S.) Degree

DEGREE INFORMATION

Priority Admission Application Deadlines:

Fall	February 15
Spring	October 15
Summer	February 15

International applicant deadlines:

<http://www.grad.usf.edu/majors>

Minimum Total Hours:	32
Level:	Masters
CIP Code:	51.2099
Dept Code:	---
Major/College Codes:	PNT / RX
Effective:	Spring 2016

Concentrations:

Biomedical Engineering PNB

Drug Discovery, Delivery, Development & Manufacturing DDD

CONTACT INFORMATION

College: Pharmacy
 Contact Information: www.grad.usf.edu

The Master's of Science (M.S.) in Pharmaceutical Nanotechnology is designed to train students in the skills they will need to understand the burgeoning technological advances in science at the nanoscale and how new nanomaterials and processes can be applied to drug delivery, diagnosis, treatment monitoring, tissue regeneration, personalized medicine and more. This major aims to bridge the gap between nanotechnology and medicine, providing students with advanced knowledge, skills and practical experience within the principles, technology and applications within this exciting and innovative area.

Major Research Areas:

Nano, Nanotechnology, Nano Pharmacy, Nano Pharmaceutics, Nano Pharmaceutical

ADMISSION INFORMATION

Must meet University Admission and English Proficiency requirements, as well as requirements for admission to the major, listed below.

- Bachelor's degree preferably in the biomedical, biological, chemical sciences or engineering from a regionally accredited institution with a minimum overall GPA of 3.00
- GRE, MCAT, PCAT, or DAT standardized test scores or evidence of substantial health/sciences experience. The GRE may be waived if the overall undergraduate GPA is 3.80 or higher. GRE may be substituted by minimum MCAT score of 20, PCAT or score of 55% DAT score of 19.
- Minimum of two (2) (Maximum of five) Letters of Reference (preferably from previous professors, employers within the field of science – all must be fairly recent – within the last five years of coursework or employment)
- A resume
- Interview (Optional)
- Final determination for admission will be made by Graduate Director based on GPA, GRE, MCAT, PCAT or DAT scores, letters of recommendations, resume and personal statement combined.

CURRICULUM REQUIREMENTS

Total Minimum Hours – 32 credit hours

Core Requirements - 11 credit hours
 Concentration/Track – 13 to 18 hours
 Capstone (3 hours) or Thesis (8 hours)

Core Requirements - 11 hours

PHA 6146	3	Introduction to Nanotechnology
PHA 6119	3	Micro-/Nanoscale Drug Delivery systems
PHA 6118	3	Nanomaterials, BioMEMs and Nanodevices in Medicine
PHA 6797	1	Scientific Writing and Communication
PHA 6277	1	Ethics in Pharmaceutical Practice and Research

Students select from the following Tracks or Concentrations:

General Track - 18 hours

Electives 18
 Plus the Capstone requirement

Entrepreneurship Track – 18 hours

PHA 6225	3	Invention, Innovation & Entrepreneurship
PHA 7001	6	Graduate Program Internship in Pharmacy
Electives	9	

Plus the Capstone requirement

The one-semester internship in a matched industry, institute or center must be approved by the Associate Dean of Graduate Programs. The Internship will culminate in a final project, which will be presented at the end of the Capstone course. Students must receive an evaluation of Satisfactory or higher from their internship supervisor to successfully complete the Internship course.

Research Track – 13 hours

Electives - 13
 Plus the thesis requirement

Biomedical Engineering Concentration (PNB) - 18 hours

GMS 6440	3	Basic Medical Physiology	OR	BME 6409	3	Engineering Physiology
GMS 6605	3	Basic Medical Anatomy				
PHC 6051	3	Biostatistics II				
BME 6000	3	Biomedical Engineering I				
BME 6931	3	Biomedical Engineering II				
Electives	3					

Plus the Capstone requirement

Drug Discovery, Delivery, Development & Manufacturing Concentration (DDD) – 13 hours

PHA 6124	3	Principles of Pharmacokinetics and Pharmacodynamics
PHA 6147	3	Nanotechnology and Risk Management
PHA 6185	3	Drug Discovery and Frontier
Electives	4	

Plus the thesis requirement

Approved Electives

PHA 6124	3	Principles of Pharmacokinetics and Pharmacodynamics
PHA 6147	3	Nanotechnology and Risk Management
PHA 6148	3	Nanoformulations and Nanopharmaceutics
PHA 6185	3	Drug Discovery and Frontier
PHA 6222	3	Pharmacy Practice Management

PHA 6225	3	Invention, Innovation & Entrepreneurship
PHA 6245	3	Pharmaceutical Informatics
PHC 6319	3	Modern Human Diseases, Diagnosis and Treatment
PHA 6449	3	Pharmacogenomics - Current and Future Prospects
PHA 6336	3	Tissue Engineering and Regenerative Medicine
PHA 6618	3	Principles of Geriatric Medicine
PHA 6622	3	Advanced Geriatric Pharmacy Care
PHA 6756	3	Bioengineering and Nano-biomedical Prospects
PHA 7930	1-3	Special Topics in Pharmacy
GMS 6010	3	Personalized Medicine
GMS 6183	3	Clinical Research Methods
GMS 6201	3	Basis Medical Biochemistry
GMS 6440	3	Basic Medical Physiology
GMS 6505	3	Basics Medical Pharmacology
GMS 6605	3	Basic Medical Anatomy

Capstone – 3 hours

PHA 69523 Graduate Program Capstone in Pharmacy

As part of the Capstone course, students will also submit and present an e-portfolio outlining their understanding of Pharmaceutical Nanotechnology as a whole with artifacts from previous courses that demonstrate their learning throughout the program. Students must successfully complete PHA 6533, including submission and presentation of e-Portfolio.

Thesis – 8 hours minimum

PHA 6971 8 Thesis (to be taken over the final three semesters in a 3-3-2 credit hour sequence)

Students will conduct original research in a lab approved by the Associate Dean of Graduate Programs and submit a final Committee-Approved Thesis, including oral defense, following guidelines from the Office of Graduate Studies. Students must submit a final Committee-Approved Thesis, including oral defense, following ETD guidelines from the Office of Graduate Studies (<http://www.grad.usf.edu/ETD-res-main.php>).

Comprehensive Exam

For non-thesis students, successful completion and presentation of the e-Portfolio in the Capstone course will be used in lieu of a comprehensive exam. For thesis students, the final Committee-Approved thesis, including defense, will be used in lieu of a comprehensive exam.

Possible SequenceFall - total 12 credit hours

PHA 6146 - Intro to Nanotechnology 3 Cr
 PHA 6797 - Scientific Writing and Communication 1 Cr
 PHA 6277- Ethics in Pharmaceutical Practice and Research 1 Cr
 Track/Concentration requirements and/or Electives 7 Cr

Spring - total 12 credit hours

PHA 6119 - Micro-/Nano Drug Delivery Systems 3 Cr
 PHA 6118 - Nanomaterials, BioMEMs and Nanodevices in Medicine 3 Cr
 Track/Concentration requirements and/or Electives 6 Cr

Summer - total 8 credit hours

Final Thesis hours and/or Capstone 2-3 Cr

Electives 5 Cr

COURSES

See <http://www.ugs.usf.edu/course-inventory/>

PHARMACY

Doctor of Pharmacy (Pharm.D.) Degree

DEGREE INFORMATION

Priority Admission Application Deadlines

Fall	Early Decision: September 6 Regular Decision: February 1
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Minimum Total Hours:	152 hours
Level	Doctoral / Professional
CIP Code	51.2001
Dept Code	PHA
Major/College Codes	Rx / PRY
Approved	Effective Fall 2016

CONTACT INFORMATION

College	College of Pharmacy
Department	Department of Pharmacy

Contact information
www.health.usf.edu/pharmacy

Concentration:

Pharmacy and Health Education (RXHE)

Also offered as an Accelerated Major

The USF College of Pharmacy (COP) curriculum is very similar to that offered by other schools and colleges across the state of Florida and country. This is purposeful as there are standards that must be upheld by all pharmacy programs must remain in accordance with national accreditation, financial aid and state regulatory requirements. The USF COP Mission, Vision and Goals serve to guide curricular content as well as other COP endeavors. The integration of technology, student engagement in the educational process, and interprofessional activities serve as the foundation for each course. The faculty will utilize a variety of instructional methods to foster student attainment course objectives.

All students will be enrolled on a full-time basis. Several courses may be taught predominantly on-line, however the majority of courses will include classroom contact. Lectures will be limited so that peer and faculty interactions can be maximized. For many courses students may be required to listen to lectures on-line, or complete activities and/or assignments in preparation for class. The emphasis of the USF COP is the comprehension and assimilation of knowledge, with subsequent demonstration of competency (skills and abilities).

Accreditation

Accredited by the Accreditation Council for Pharmacy Education (ACPE).

Major Research Areas

<http://health.usf.edu/pharmacy/research/index.htm>

Admission Information

All applications undergo a holistic review process whereby careful consideration is given to all the credentials presented by applicants. By utilizing this process, applicants' academic record along with experiences and attributes are assessed for potential academic and clinical success.

- US Citizen or US Permanent Resident
- ≥ 2.75 Overall GPA (preferred).
- Completion of at least 72 prerequisite coursework
- PCAT is required. While 65th percentile composite PCAT score is preferred, we will consider applicants with lower scores that may have other strong academic indicators providing evidence of success. PCAT scores older than 3 years will NOT be accepted.

Curriculum Requirements:

Minimum Total Hours:	152 credit hours
Common Core Requirement:	136 hours
Concentration (Optional):	11 hours and 5 hours electives
Required Electives:	16-18 hours

Four year (9 term) major including 1 summer term

Common Core Requirements - Curriculum (Didactic and Experiential) – 136 hours

PHA 6114C	3	Drug Delivery Systems I (with lab)
PHA 6115C	3	Drug Delivery Systems II (with lab)
PHA 6124	3	Principles of Pharmacokinetics / Pharmacodynamics I
PHA 6129	3	Clinical Pharmacokinetics / Pharmacodynamics
PHA 6130C	3	Translational Pharmacogenomics- Principles and Clinical Application
PHA 6233C	3	Jurisprudence
PHA 6243	2	Medical Informatics & Technology
PHA 6261	3	Healthcare Administration & Economics
PHA 6270	2	HealthCare & Medication Safety
PHA 6451	2	Clinical Biochemistry
PHA 6562	4	Physiologic Basis of Disease
PHA 6575	3	Introduction to Principles of Drug Action
PHA 6577	4	Biochemical & Molecular Principles of Drug Action
PHA 6618C	3	Principles of Geriatric Pharmacotherapy
PHA 6740	2	Grant Writing & Clinical Research
PHA 6755	2	Medical Microbiology & Immunology
PHA 6760	3	Non-Prescription & Herbal Therapies
PHA 6782C	5	Pharmacotherapeutics I
PHA 6783C	5	Pharmacotherapeutics II
PHA 6784C	5	Pharmacotherapeutics III
PHA 6787C	5	Pharmacotherapeutics IV
PHA 6792C	2	Drug Information / Literature Evaluation
PHA 6795	3	Research Methods & Biostatistics
PHA 6804C	2	Pharmaceutical Calculations
PHA 6870C	2	Pharmaceutical Skills I
PHA 6871C	3	Pharmaceutical Skills II
PHA 6872C	3	Pharmaceutical Skills III
PHA 6873C	3	Pharmaceutical Skills IV
PHA 6874C	3	Pharmaceutical Skills V
PHA 6875C	3	Pharmaceutical Skills VI
PHA 6898	3	Foundations in Public Health
PHA 6915C	1	Pharmacy Longitudinal Research Project (Taken four times for a total of 4 hours)
PHA 6940	1	Introductory Pharmacy Practice Experience I (IPPE)
PHA 6945	1	IPPE – Community Pharmacy Practice I
PHA 6946	1	IPPE – Community Pharmacy Practice II
PHA 6947	1	IPPE - Institutional Pharmacy Practice I
PHA 6948	1	IPPE - Institutional Pharmacy Practice II
PHA 7626	6	(APPE) Advanced Health- System Pharmacy Experience (Institutional)
PHA 7627	6	(APPE) Advanced Community Pharmacy Practice Experience
PHA 7644	6	(APPE) Geriatrics Patient Care Pharmacy Practice Experience
PHA 7692	6	(APPE) Advanced Ambulatory Pharmacy Practice Experience
PHA 7694	6	(APPE) Advanced Adult Medicine Pharmacy Practice Experience
PHA 7928	Var (2)	Professional Forum

Concentration Option

The Pharmacy and Health Education Concentration provides students with a background in teaching and learning theory and the skill sets necessary to provide Pharmacy and Health Education in various formats (e.g., continuing education, precepting, in-services). The Concentration also provides the opportunity to become engaged in the scholarship of teaching and learning. Students interested in pursuing the Concentration must formally notify the Concentration Coordinator by the end of their PY2 year.

Upon completion of the Pharmacy and Health Education Concentration coursework, a student will be able to:

1. Articulate the role of life-long learning in the Pharmacy Profession and utilize self-reflection to identify areas of need.
2. Describe career paths in health education and corresponding roles and responsibilities.
3. Employ effective teaching and assessment methods to provide appropriate education to various population (e.g., peers, other health professionals, and the general public).
4. Create effective learning environments, teaching tools and assessments based-upon evidence-based learning theory and cognitive practice.

Pharmacy and Health Education Concentration (RXHE) – 11 credit hours minimum

HSC 6261	2	Teaching Essentials
HSC 6261L	1	Teaching Essentials Lab
PHA 7684 [‡]	6	Elective 1 Pharmacy Practice Experience: Academia

And one of the following:

PHA 6877C	2	Critical Care Pharmacotherapy
PHA 6780C	2	Oncology Pharmacy Practice
PHA 6907*	2-3	Directed Independent Study
PHA 6935*	Var (1-5)	Special Topics in Pharmacy
PHA 6915*	4	Pharmacy Longitudinal Research Project

[‡] In the instance this course is unavailable, an amended rotation with a faculty member to meet concentration requirements may suffice, pending Concentration Coordinator and Academic Affairs Dean approval.

* Concentration Coordinator must approve courses to ensure content or project topics align with concentration for credit.

Students may enroll in HSC 6261 and HSC 6261L courses in their PY2 or PY3 year and may take this course on-top of another elective if desired. Due to the enhanced workload and rigors of the course, students must meet eligibility requirements in addition to completion of the application. Eligibility requirements are as follows:

1. PY2 or PY3 standing
2. GPA \geq 3.00
3. Support from your student success coach and at least (1) course coordinator via signature on the application form.

The concentration will be noted on the USF official transcript. No other documentation or certificate will be provided by the College of Pharmacy. Additional details pertaining to the Concentration Track can be found at <http://health.usf.edu/pharmacy/>

Electives – 16-18 hours minimum

Students complete 16-18 hours of electives minimum from the list below. Students in the Concentration complete the concentration requirements in lieu of 11 hours of the electives, and then complete additional electives from the list noted with (*) below.

PHA 6780C*	2	Oncology Pharmacy Practice
PHA 6877C*	2	Critical Care Pharmacotherapy
PHA 6916*	2	Directed Independent Research
PHA 7684*	12	Elective 1 Pharmacy Practice Experience X 2
PHA 6177	3	Advanced Compounding and Industrial Pharmacy
PHA 6185	3	Drug Discovery and Frontier
PHA 6221	2	Pharmacists Role In Transitions of Care
PHA 6223C	2	Pharmacy Leadership
PHA 6224	2	Pharmaceutical Debates On Recent Issues Affecting the Profession
PHA 6352	2	Herbal Medicines and Alternative Therapy
PHA 6428C	2	Advanced Topics In Metabolic Syndrome Treatment

PHA 6531	2	Clinical Toxicology
PHA 6592C	2	Advanced Cardiology Pharmacotherapy
PHA 6598	2	Current Perspectives in Mental Health
PHA 6602	3	Pediatric Pharmacotherapy
PHA 6615C	2	Ambulatory Care Pharmacy Practice Elective
PHA 6628	2	Introduction to Post Graduate Residency Training
PHA 6730C	2	Drugs of Abuse, Addiction, and Law Enforcement
PHA 6771C	2	Clinical Nutrition In Pharmacy Practice
PHA 6786	3	Travel Medicine
PHA 6907	2-3	Directed Independent Study
PHA 6879	2-3	Death & Dying for Healthcare Professionals
PHA 6603C	3	Internal Medicine Elective
PHA 6935	1-5	Special Topics in Pharmacy

COURSE SEQUENCES / SCHEDULE

Go to <http://health.usf.edu/pharmacy/curriculum> for course sequence/schedule information

Internship

Introductory Pharmacy Practice Experiences (IPPE)

The IPPE sequence begins during the second semester of the first year of the curriculum, and focuses on public health principles. Students will participate in local community health centers and other clinics that treat underserved populations (60 contact hours).

The second year IPPE encompasses activities within community pharmacy practice sites across the Tampa Bay region (retail, independent, supermarket, etc.). Students will participate in a minimum of 60 contact hours per semester, 120 hours for the academic year.

The third year IPPE encompasses activities within institutional pharmacy practice sites across the Tampa Bay region (hospitals, long-term care facilities, etc.). Students will participate in a minimum of 60 contact hours per semester, 120 hours for the academic year.

Advanced Pharmacy Practice Experiences (APPE)

The fourth professional year APPE begins the summer semester immediately following the conclusion of the third professional year. The APPE are comprised of seven six-week rotations, encompassing a minimum of 1600 hours of clinical instruction. The APPE will primarily occur within practice environments throughout the state of Florida. Students are able to pursue rotations beyond the state of Florida if the site and preceptor are deemed acceptable, and arrangements can be coordinated to align with the academic calendar.

Graduation Requirements

- A minimum cumulative grade point average (CGPA) of 2.50
- Successful completion of the following within 7 years from the original date of admission:
 - All Didactic (GPA 2.00 or higher)
 - Attend all MPJE and NAPLEX reviews
 - All Experiential Education (GPA 2.00 or higher)
 - Professionalism (proficiency in professionalism, clinical skills, effective judgment and decision making)
- Timely Submission of the application for graduation
 - Graduate application fee due at time of submission

Accelerated Majors Option

B.S./Pharm.D.

Complete a B.S. in Biomedical Sciences (College of Arts and Sciences) and a Doctor of Pharmacy (USF Health College of Pharmacy) over the span of seven (7) years. Students completing this program will be well trained to perform as skilled intermediaries to effectively communicate with patients, their health providers, insurance companies, and pharmaceutical companies. Requires students to complete the first year (36 credits) of the Pharm.D. during their senior year of their B.S.

This accelerated program shares 10 credits between already existing degrees:

- B.S. in Biomedical Sciences
- Pharm.D/Pharm.D.. in Pharmacy

Target Students and Expected Outcomes

The accelerated Bachelor's to Pharm.D. program is a collaborative effort between the College of Arts and Sciences, the Honors College, and USF Health's College of Pharmacy. This program is an attractive and viable career path for students in the Chemistry degree program that results in professional training in pharmacy. Students who complete this program receive the necessary training to become advanced pharmacist clinicians that will collaborate with other health professionals.

For initial eligibility a student must:

- be admitted to the Honors College as a first year student (at least a 1360 CR+M SAT or 29 ACT and 3.80 HighSchool weighted GPA as calculated by USF's Office of Admissions;
- hold US citizenship or permanent resident status.

Undergraduate Degree Requirements: B.S. in Biomedical Sciences (BMS)

All BMS students will complete FLENT and Summer Enrollment requirements as well as graduation requirements listed in the Undergraduate Catalog. The entire undergraduate program will total no more than 120 credits.

Graduate Degree Requirements: Pharm.D. in Pharmacy

All requirements of the Pharm.D. as posted in the Graduate Catalog must be satisfactorily completed.

SHARED REQUIREMENTS

According to the BOG Articulation Regulation 6A-10.030; earn a minimum of 48 semester hours of upper-level work (courses numbered 3000 and above), therefore, the B.S. in Biomedical Sciences students will take up to 21 credits of additional 3000+ level coursework in addition to their required major and exit courses listed below. Out of these 21 credits, up to 10 credits will be shared with the Pharm.D.. program. The shared courses are listed below:

- PHA 6451 Clinical Biochemistry (2)
- PHA 6792C Drug Information/Literature Evaluation (2)
- PHA 6577 Biochemical & Molecular principles of Drug Action (4)
- PHA 6755 Medical Microbiology & Immunology (2)

Timeline and Benchmarks

Eligible students may follow the 7-Year BS/Pharm.D. Track during their first year of undergraduate enrollment. By a specified date at the end of the first year, students must submit a declaration of intent to the Honors College to formally join the program. The declaration of intent is not an official application. The official application must be submitted through PharmCAS after the second year of undergraduate study. If at the end of the spring semester of Year 1, students have attained an overall and science grade point of average (GPA) of 3.50, they may proceed onto Year 2 of the 7-Year Track.

Honors College

Students pursuing the 7-Year BS/Pharm.D. must also complete Honors College requirements and co-curricular program benchmarks which may be found at: http://honors.usf.edu/ap_pharm.html

Curricular Requirements (Years 1-3)

Grade Point Average (GPA); GPAs are not rounded.

- USF overall and science GPA of 3.50 or higher at the completion of the spring semester of Year 1;
- USF overall and science GPA 3.50 or higher at completion of Year 2;
- USF overall and science GPA of 3.50 or higher at completion of Year 3;

If students transfer in a GPA from dual enrollment or transient coursework completed at another institution, the overall and science GPAs from all coursework completed at USF must also be a 3.50 or higher.

Prerequisite Coursework: the courses for the B.S. in Biomedical Sciences must be completed for admission to the USF COP in addition to any other General Education Core/Foundations of Knowledge and Learning and Upper Division requirements for the student's major. Curricular revision is an ongoing process at USF COP, so the prerequisite courses listed may change.

First and Second Years: Courses and credits as designated for freshman and sophomore years

Between Second and Third Year: USF COP Application Process: Students who meet all specified benchmarks must officially apply to the USF COP during the summer between their second and third undergraduate years.

Advising: Students, who submitted a declaration of intent to formally join the 7-Year BS/Pharm.D. program and met the first year GPA requirement, must with the USF College of Pharmacy Admissions Advisor/Recruiter between the end of year one and start of year two. Students must meet with the USF COP Director of Admissions at least once prior to the end of the second year.

Non-medical Community Service Volunteering: Completion of a minimum of 60 contact hours of volunteering is required. Community service is defined as involvement in a service activity without receiving monetary compensation. Service performed as part of employment or a service learning course will NOT satisfy this requirement. This requirement is must be completed by the end of the second year.

Students must adhere to the following timeline to submit their applications through the Pharmacy College Application Service (PharmCAS)

- E-submit PharmCAS application (including transcripts and letters of recommendation) by the early decision deadline. **The early decision deadline typically falls on the first Tuesday in September.** Applying through the regular decision application process is not an option.
- Two letters of recommendation must be submitted to PharmCAS. One of the two letters must be from a science professor. Do not submit letters of recommendation directly to the USF COP.
- PharmCAS applications may be submitted beginning in July of each year. Since PharmCAS reviewers need four to six (4-6) weeks to verify applications prior to forwarding information to medical schools, we strongly encourage students to submit their applications **by the end of July.**
- PCAT: For students entering the program a 65th percentile composite PCAT score is preferred, with no individual sub-score lower than 40 is permitted. Students with lower scores that may have other strong academic indicators providing evidence of success will be reviewed. The PCAT must be taken prior to the early decision deadline. Students should visit PCATweb.info for PCAT testing dates. PCAT scores older than 3 years will NOT be accepted.
- Applicants who have met all GPA, PCAT, and curricular and co-curricular requirements, and have submitted required application materials by the deadlines will receive an invitation for a formal interview by the USF COP.
- Invited students will participate in the early decision interview process. Successful completion of the interview at the beginning of the third year is a requirement for acceptance into the USF COP.

Conferring of BS degree (fourth year; first professional year of pharmacy)

Students must successfully complete all requirements of the Doctor of Pharmacy curriculum to graduate. Successful completion of the academic program of study contained within the first professional pharmacy year is required for the completion of the bachelor's degree in the accelerated (3+4) program and to continue in the pharmacy program. Curricular revision is an ongoing process at USF COP, so the courses listed may change. Please refer to the COP Pharm.D. section within the catalog for the most up-to-date course listing.

COURSES

See <http://www.ugs.usf.edu/course-inventory/>