School of Pharmacy

Overview
Academics & Admissions
Departments
Programs
Courses
Faculty
Awards

Courses

School of Pharmacy
- Phcy 100: Introduction to Pharmacy
- Phcy 400: Becoming a Pharmacist
- Phcy 401: Foundations of BioMolecular Sciences I
- Phcy 402: Foundations of BioMolecular Sciences II
- Phcy 411: Human Physiology/Pathophysiology I
- Phcy 412: Human Physiology/Pathophysiology II
- Phcy 421: Pharmaceutics and Calculations I
- Phcy 422: Pharmaceutics and Calculations II
- Phcy 431: Social and Administrative Pharmacy I
- Phcy 432: Social and Administrative Pharmacy II
- Phcy 441: Pharmacists' Patient Care Process I
- Phcy 442: Pharmacists' Patient Care Process II
- Phcy 451: Pharmacogenomics
- Phcy 452: Pharmacoimmunology
- Phcy 460: Personal and Professional Development I
- Phcy 461: Interprofessional Collaboration I
- Phcy 481: Pharmacy Practice Applications I
- Phcy 482: Pharmacy Practice Applications II
- Phcy 501: Infectious Diseases Intensive
- Phcy 502: Integrated Systems: Cardiovascular
- Phcy 503: Integrated Systems: Respiratory
- Phcy 504: Integrated Systems: Renal
- Phcy 505: Integrated Systems: Neuromuscular
- Phcy 506: Integrated Systems: CNS/Psych
- Phcy 507: Integrated Systems: Endocrine System
- Phcy 508: Integrated Systems: GI/Nutrition
- Phcy 509: Integrated Systems: DERM/EENT
- Phcy 550: Integrated Institutional IPPE
- Phcy 560: Personal and Professional Development II
- Phcy 561: Interprofessional Collaboration II
- Phcy 581: Pharmacy Practice Applications III
- Phcy 601: Multisystem Complex Patient Care I
- Phcy 602: Hematology/Oncology/Immunology
- Phcy 603: Integrated Genitourinary & Reproductive
- Phcy 604: Pediatrics and Geriatrics
- Phcy 605: Integrated Selective IPPE
- Phcy 606: Population and Rural Health
- Phcy 607: Practice Law Application
- Phcy 608: Multisystem Complex Patient Care II
- Phcy 650: Integrated Comm & Ambulatory IPPE
- Phcy 651: Integrated Inst & Specialty IPPE
- Phcy 660: Personal & Professional Development III
- Phcy 661: Interprofessional Collaboration III
- Phcy 681: Pharmacy Practice Applications V
- Phcy 682: Pharmacy Practice Applications VI
- TOCP 591: Transitions of Care Patient Care APPE
Biomolecular Sciences

- BMS 321: Pathogenesis of Infectious Diseases
- BMS 343: Biochemical Foundations of Therapeutics
- BMS 344: Physiological Foundation of Therapeutics
- BMS 345: Anatomical Foundations in Human Health
- BMS 401: Honors Introduction to Cancer Research
- BMS 470: Antimicrobial Resistance Mechanisms
- BMS 471: Targeting Neurodegenerative Diseases
- BMS 472: Spanish for Pharmacists
- BMS 473: Medical Cannabis
- BMS 474: Pandemics and Society
- BMS 475: Molecular Basis of Future Medicines
- BMS 476: Intro to AI & Applications in Pharmacy
- BMS 601: Graduate Student Survival Strategies
- BMS 602: Techniques in BioMolecular Sciences
- BMS 605: Original Research Proposal BMS
- BMS 608: Scientific Writing for BioMolecular Science
- BMS 610: Carbohydrates and Glycoconjugates
- BMS 641: BioMolecular Sciences Seminar
- BMS 643: BioMolecular Sciences Seminar
- BMS 651: Fundamentals of Pharmacognosy and Phytoce
- BMS 652: Regulation of Dietary Supplements
- BMS 653: Formulation and Manufacturing of Dietary
- BMS 654: Identification and Authentication of Die
- BMS 655: Pharmacology and Toxicology of Dietary S
- BMS 661: Cannabis Identification, Genomics, & Eng
- BMS 662: Cannabis Policy & Law Syllabus
- BMS 663: Formulation & Manufacturing of Cannabis
- BMS 664: Chemistry & Standardization of Cannabis
- BMS 665: Pharmacology & Toxicology of Cannabinoid
- BMS 697: Thesis
- BMS 725: Mass Spectrometry: Fundamentals
- BMS 787: Advanced Topics in Toxicology
- BMS 797: Dissertation
- Medc 317: Pharmacogenetics and Pharmacoinmunology
- Medc 318: Chemical and Biological Terrorism
- Medc 319: Computer-Aided Drug Design
- Medc 415: Chemical Neurosci. Prin. of Drug Abuse
- Medc 416: Intro to the Principles of Med Chem I
- Medc 417: Intro to the Principles of Med Chem II
- Medc 418: Neuroscience Principles of Drug Abuse
- Medc 419: Special Topics in Oncology
- Medc 501: Advanced Medicinal Chemistry I
- Medc 502: Advanced Medicinal Chemistry II
- Medc 503: Medicinal Chemistry Research Methodology
- Medc 507: Organic Chemistry of Drug Synthesis
- Medc 541: Problems in Medicinal Chemistry
- Medc 542: Problems in Medicinal Chemistry
- Medc 610: Selected Topics in Medicinal Chemistry
- Medc 630: Pharmaceutical Protein Design & Devel
- Medc 711: Intro to Computer-Aided Drug Design
- Medc 712: QSAR & AI for Drug Design
- Medc 713: Drugs Affecting the Nervous System
- Medc 714: Chemotherapeutic Agents
- Medc 718: Bioorganic Chemistry
- Phcg 320: Special Topics in Oceans & Human Health
- Phcg 329: Herbal Supplements & Alternative Therapy
- Phcg 422: Natural Product Derived Pharmaceuticals
- Phcg 425: Poisonous Plants and Mushrooms
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<td>Phcg 428</td>
<td>Drug Discovery II</td>
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<tr>
<td>Phcg 450</td>
<td>Career/Achievements in BMS; Nat Prod Res</td>
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<td>Phcg 451</td>
<td>Probiotics in Pharmacy</td>
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<td>Phcg 634</td>
<td>Biosynthesis of Plant Constituents</td>
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<td>Phcg 635</td>
<td>Introduction to Molecular Cell Biology</td>
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<td>Phcg 636</td>
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<td>Animal Cells: Testing New Drugs</td>
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Phcl 665: Human Neurobiology
Phcl 668: Externship in Pharmacology
Phcl 669: Physiological Chemistry
Phcl 675: Gen Princ of Pharmacology & Toxicology I
Phcl 676: Gen Princ - Pharmacology & Toxicology II
Phcl 677: Advanced Topics
Phcl 679: Methods in Pharmacology and Toxicology
Phcl 681: Sel Topics - Pharmacology and Toxicology
Phcl 685: Externship in Toxicology

Pharmaceutics & Drug Delivery
Phar 432: Concepts in Pharmaceutical Biotechnology
Phar 433: Pharmaceutical Industry
Phar 435: Pharmaceutical Stability
Phar 436: Product Development
Phar 437: 3D Printing for Precision Medicine
Phar 541: Problems in Pharmaceutics
Phar 542: Problems in Pharmaceutics
Phar 543: Seminar in Current Pharm. Topics
Phar 544: Seminar in Current Pharm. Topics
Phar 545: Biopharmaceutics and Pharmacokinetics
Phar 546: Veterinary Pharmaceuticals
Phar 547: Clinical Laboratory Data Analysis
Phar 630: Pharm. Protein Design and Development
Phar 650: Formulation Development
Phar 651: Regulatory Science I
Phar 652: Regulatory Science II
Phar 654: Special Problems in Biopharmaceutics
Phar 658: Pharmaceutical Manufacturing
Phar 696: Special Projects
Phar 697: Thesis
Phar 735: Analytical Pharmaceutics
Phar 741: Advanced Pharmaceutics
Phar 744: Stability of Pharmaceutical Systems
Phar 749: Product Development
Phar 750: Applied Pharmaceutics
Phar 760: Applied Pharmacokinetics
Phar 797: Dissertation

Pharmacy Administration
Phad 355: The Anthropology of Drugs
Phad 393: Learning & Teaching: A Professional Elec
Phad 394: Intermed. Biostatistics for Pharmacists
Phad 395: Pharmacy Ethics
Phad 396: Marketing for Community Pharmacists
Phad 397: Survey of Medication Nonadherence
Phad 430: Research Methods for Pharmacists
Phad 470: Phy & Psychosoc Aspects Women's Health
Phad 478: History of Pharmacy
Phad 492: Current Issues in Health Care
Phad 495: Technique of Pharmaceutical Sales
Phad 496: Principles of Pharmaceutical Marketing
Phad 497: Personal Finance for Pharmacists
Phad 541: Problems in Pharmacy Administration
Phad 542: Problems in Pharmacy Administration
Phad 543: Seminar in Current Health Topics
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Phad 545: Aspects of Pediatric Pharmacy Practice
Phad 546: Film and Pharmacy
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- Phad 597: Medical Anthropology
- Phad 599: Health Care and Contemporary Society
- Phad 630: Intro to Implementation Science
- Phad 661: Epidemiology and Health Data Management
- Phad 679: Primary Data Techniques
- Phad 687: Secondary Data Techniques
- Phad 688: Research Methodology and Techniques
- Phad 689: Pharmaceutical and Healthcare Policy
- Phad 690: Data Management and Statistical Software
- Phad 693: Health Economics
- Phad 697: Thesis
- Phad 699: Non-thesis Research
- Phad 774: Research in Pharmacy Administration
- Phad 780: General Linear Models
- Phad 781: Applied Multivariate Analysis
- Phad 783: Adv Pharmaceutical Mktng & Patient Behav
- Phad 786: Patient Reported Outcomes
- Phad 792: Drug Development and Marketing
- Phad 794: Pharmacoconomics
- Phad 795: Special Topics in Pharmacy Administration
- Phad 796: Pharmacoepidemiology
- Phad 797: Dissertation

**Pharmacy Practice**

- Acad 591: Academia Advanced Practice Experience
- Ambc 591: Ambulatory Care Clerkship
- Bari 591: Bariatric Advanced Pharmacy Practice Exp
- Biot 591: Biotech Pharmacy Services Advanced Pharm
- Card 591: Cardiology Clerkship
- Comm 591: Community Pharmacy Clerkship
- Crit 591: Critical Care Clerkship
- Dinf 591: Drug Information Clerkship
- Emer 591: Emergency Medical Clerkship
- Gera 591: Geriatrics Clerkship
- Home 591: Home Infusion Advanced Pharmacy Practice
- Inad 591: Institutional Administration Advanced Ph
- Indy 591: Pharmaceutical Industry Clerkship
- Inf 591: Infectious Disease Clerkship
- Info 591: Informatics Practice Experience
- Inop 591: Institutional Out-Patient Practice Experience
- Lead 591: Leadership and Advocacy in Pharmacy
- Manc 591: Managed Care Clerkship
- Medc 591: Medicine Clerkship
- Mgmt 591: Pharmacy Management Advanced Pharmacy Ph
- Mspe 591: Medication Safety Practice Experience
- Neon 591: Neonatology Advanced Pharmacy Practice E
- Neur 591: Neurology Clerkship
- Nucl 591: Nuclear Medicine Advanced Pharmacy Practice
- Nutr 591: Nutrition Clerkship
- Onc 591: Oncology Clerkship
- Pain 591: Pain Management Advanced Pharmacy Practi
- Peds 591: Pediatric Clerkship
- Phcy 470: Distributive Intro Pharmacy Practice Exp
- Phcy 471: Institutional Immersion IPPE I
- Phcy 510: Community Pharmacy Practice II
- Phcy 591: Elective APPE
- Phcy 592: Elective APPE
- Phcy 593: Elective APPE
- Phcy 653: Community Required APPE
- Phcy 654: Institutional Required APPE
- Phcy 666: Personal & Professional Development IV
- Phcy 667: Personal & Professional Development V
- Phcy 686: Adult Medicine Required APPE
- Phcy 687: Ambulatory Care Required APPE
- Pkin 591: Pharmacokinetics Clerkship
- Pmtm 591: Pharmacy Medication Therapy Management
- Pois 591: Poison Control Clerkship
- Prct 357: Advocacy and Leadership in Pharmacy
- Prct 358: Geriatrics
- Prct 359: Tobacco Cessation Education
- Prct 360: Personal Time Management for Pharm Students
- Prct 361: Vaccine-preventable Illnesses/Travel med
- Prct 362: Veterinary Pharmacy
- Prct 363: Pharmacy, Microcontrollers & the Internet
- Prct 470: Introduction to Nuclear Pharmacy
- Prct 471: Advanced Topics in Cardiology
- Prct 472: Life After Graduation
- Prct 473: Beyond Dispensing
- Prct 474: Advanced Infectious Diseases
- Prct 475: Nutrition Support
- Prct 476: Wellbeing & Resiliency for Student Pharm
- Prct 477: Institutional Pharmacy Practice II
- Prct 480: Introduction to Global Health & Pharmacy
- Prct 486: Resiliency in Professional Life
- Prct 488: Advanced Topics in Diabetes Care
- Prct 489: Advanced Topics Critical & Emergent Care
- Prct 490: Landmark Trials
- Prct 541: Problems in Clinical Pharmacy
- Prct 543: Community Pharmacy Practice III
- Prct 544: Institutional Pharmacy Practice III
- Prct 545: Specialty Pharmacy Practice Elective
- Prct 552: Preventive Medicine and Public Health
- Prct 555: Pharmaceutical Care I: Knowledge & Compr
- Prct 556: Pharmaceutical Care I: Problem-Solving
- Prct 557: Pharmaceutical Care I: Group
- Prct 558: Pharmaceutical Care II: Knowledge & Comp
- Prct 559: Pharmaceutical Care II: Problem-Solving
- Prct 560: Pharmaceutical Care II: Group
- Prct 561: Pharmaceutical Care III: Knowledge & Comp
- Prct 562: Pharmaceutical Care III: Problem-Solving
- Prct 563: Pharmaceutical Care III: Group
- Prct 564: Pharmaceutical Care IV: Knowledge & Comp
- Prct 565: Pharmaceutical Care IV: Problem-Solving
- Prct 568: Pediatric Pharmacotherapy
- Prct 569: Pharmaceutical Care IV: Group
- Prct 570: Patient-Caregiver-Provider Education
- Prct 577: Practice Skills Laboratory V
- Prct 599: Clinical Trials Skills
- Psyc 591: Psychiatry Clerkship
- Pubh 591: Public Health Advanced Pharmacy Practice
- Rsch 591: Research Advanced Pharmacy Practice Exp
- SBOP 591: State Board of Pharmacy Practice Exp
- Spec 591: Specialty Pharmacy Practice Experience
- Surg 591: Surgery Clerkship
- Tran 591: Organ Transplant Advanced Pharmacy Pract
- Vetp 591: Veterinary Medicine Advanced Pharmacy Pr
- Womh 591: Women's Health Advanced Pharmacy Pract