School of Pharmacy

Overview
Academics & Admissions
Departments
Programs
Courses
Faculty
Awards

Courses

School of 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: Pharmacoinmunology
- Phcy 460: Personal and Professional Development I
- Phcy 461: Interprofessional Collaboration I
- 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 560: Personal and Professional Development II

Biomolecular Sciences

- BMS 401: Honors Introduction to Cancer Research
- BMS 470: Antimicrobial Resistance Mechanisms
- BMS 471: Targeting Neurodegenerative Diseases
- BMS 472: Spanish for Pharmacists
- BMS 601: Graduate Student Survival Strategies
- BMS 605: Original Research Proposal BMS
- BMS 641: BioMolecular Sciences Seminar
- BMS 643: BioMolecular Sciences Seminar
- BMS 725: Mass Spectrometry: Fundamentals
- BMS 767: Advanced Topics in Toxicology
- Medc 317: Pharmacogenetics and Pharmacoinmunology
- Medc 318: Chemical and Biological Terrorism
- Medc 319: Computer-Aided Drug Design
- Medc 411: Medicinal Chem of Therapeutic Agents I
- Medc 412: Medicinal Chem of Therapeutic Agents II
- 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 621: Theory of Technology Development
Medc 622: Early Stages of Technology Development
Medc 623: Fostering Creative Environments
Medc 625: Applied Igert Problems
Medc 630: Pharmaceutical Protein Design & Devel
Medc 697: Thesis
Medc 709: Drug Action & Design V: Heterocyclic Com
Medc 711: Drug Action & Design I: Intro to Com-Aid
Medc 712: Drug Action & Design II: Quantit Struct-
Medc 713: Drug Action & Design III: Drugs Affectin
Medc 714: Drug Action & Design IV: Chemotherapy of
Medc 718: Drug Action & Design Vi: Bioorganic Chem
Medc 720: Drug Action & Design VII: Combinatorial
Medc 797: Dissertation
Phcg 320: Special Topics in Oceans & Human Health
Phcg 321: Pathogenesis of Infectious Diseases
Phcg 329: Herbal Supplements & Alternative Therapy
Phcg 422: Natural Product Derived Pharmaceuticals
Phcg 425: Poisonous Plants and Mushrooms
Phcg 426: Cancer Chemo - Targets and Discovery
Phcg 427: Drug Discovery I
Phcg 428: Drug Discovery II
Phcg 451: Probiotics in Pharmacy
Phcg 452: Problems in Pharmacognosy
Phcg 454: Individual Study in Pharmacognosy Res
Phcg 456: Individual Study in Pharmacognosy Res
Phcg 550: Careers/Achievements in BMS
Phcg 620: Selected Topics in Pharmacognosy
Phcg 627: Natural Product Chemistry
Phcg 628: Natural Product Chemistry
Phcg 630: Advanced Topics
Phcg 631: Analysis of Natural Product Drugs I
Phcg 632: Analysis of Natural Product Drugs II
Phcg 633: Analysis of Natural Product Drugs III
Phcg 634: Biosynthesis of Plant Constituents
Phcg 635: Introduction to Molecular Cell Biology
Phcg 636: Fermentation Chemistry
Phcg 697: Thesis
Phcg 797: Dissertation
Phcl 202: Environmental Health Perspectives
Phcl 340: Animal Cells: Testing New Drugs
Phcl 341: Human Pathophysiology I
Phcl 342: Human Pathophysiology II
Phcl 343: Biochemical Foundations of Therapeutics
Phcl 344: Physiological Foundation of Therapeutics
Phcl 345: Nutritional Pharmacology
Phcl 346: Immunological Basis for Therapeutics
Phcl 347: Introduction to Environmental Toxicology
Phcl 348: Principles of Life Science Research
Phcl 349: Specialized Topics in Environ. Health
• Phcl 351: Drugs and Human Performance  
• Phcl 352: Case Studies in Immunology  
• Phcl 381: Introduction to Toxicology  
• Phcl 382: Fundamentals of Cancer  
• Phcl 440: Physiologic Case Study for Therapeutics  
• Phcl 441: Pharmacology. Novel Drugs in Clin Trials  
• Phcl 442: Clinical Toxicology  
• Phcl 443: Basic and Clinical Pharmacology I  
• Phcl 444: Basic and Clinical Pharmacology II  
• Phcl 445: Nutritional Pharmacology  
• Phcl 501: Principles of Life Science Research  
• Phcl 503: Lab Meth in Pharmacology & Toxicology I  
• Phcl 504: Lab Meth in Pharmacology & Toxicology II  
• Phcl 505: Modern Phcl. Novel Drugs Clinical Trials  
• Phcl 541: Problems in Pharmacology  
• Phcl 547: Introduction to Environmental Toxicology  
• Phcl 563: Introductory Pharmacology I  
• Phcl 564: Introductory Pharmacology II  
• Phcl 569: Drug Abuse Education  
• Phcl 581: Introduction to Toxicology  
• Phcl 586: Receptors and Channels  
• Phcl 611: Teaching in Pharmacology and Toxicology  
• Phcl 612: Teaching in Pharmacology and Toxicology  
• Phcl 641: Unified Lab in Pharm. Tox & Phys Chem  
• Phcl 642: Unified Lab in Pharm. Tox & Phys Chem  
• Phcl 643: Seminar Curr Topics in Pharm & Tox  
• Phcl 651: Directed Studies in Pharm and Tox  
• Phcl 652: Directed Studies in Pharm and Tox  
• Phcl 661: Advanced Physiology  
• Phcl 662: Advanced Physiology  
• Phcl 663: General Pharmacology I  
• 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  
• Phcl 697: Thesis  
• Phcl 797: Dissertation

Pharmaceutics & Drug Delivery
• Phar 330: Pharmaceutical Calculations  
• Phar 331: Basic Pharmaceutics I  
• Phar 332: Basic Pharmaceutics II  
• Phar 334: Biopharmaceutics and Pharmacokinetics  
• Phar 335: Clinical Laboratory Data Analysis  
• Phar 432: Concepts in Pharmaceutical Biotechnology  
• Phar 433: Industrial Pharmacy  
• Phar 435: Pharmaceutical Stability  
• Phar 436: Product Development  
• 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 547: Veterinary Pharmaceuticals  
• 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 390: Professional Communications in Pharmacy
- Phad 391: Pharmacy Administration I
- Phad 392: Pharmacy Administration II
- Phad 393: Learning & Teaching: A Professional Elec
- Phad 394: Interm. 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 491: Pharmacy Law
- Phad 492: Current Issues in Health Care
- Phad 493: Pharmacy Management and Business Methods
- Phad 494: Pharmacoecon, Pharmacoepi & Med Safety
- Phad 495: Techniques of Pharmaceutical Sales
- Phad 496: Principles of Pharmaceutical Marketing
- Phad 497: Personal Finance
- Phad 541: Problems in Pharmacy Administration
- Phad 542: Problems in Pharmacy Administration
- Phad 543: Seminar in Current Health Topics
- Phad 544: Seminar in Current Health Topics
- Phad 597: Medical Anthropology
- Phad 599: Health Care and Contemporary Society
- 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 698: Non-thesis Research
- Phad 744: Research in Pharmacy Administration
- Phad 780: General Linear Models
- Phad 781: Applied Multivariate Analysis
- Phad 783: Adv Pharmaceutical Mkting & Patient Beha
- 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**
- 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 Pharm
Indy 591: Pharmaceutical Industry Clerkship
Infd 591: Infectious Disease Clerkship
Info 591: Informatics Practice Experience
Inop 591: Institutional Out-Patient Practice Exp
Lead 591: Leadership and Advocacy in Pharmacy
Manc 591: Managed Care Clerkship
Medc 591: Pharmacy Management Advanced Pharmacy Ph
Neon 591: Neonatology Advanced Pharmacy Practice Exp
Neur 591: Neurology Clerkship
Nucl 591: Nuclear Medicine Advanced Pharmacy Pract
Nutr 591: Nutrition Clerkship
Oncl 591: Oncology Clerkship
Pain 591: Pain Management Advanced Pharmacy Practi
Pedq 591: Pediatrics Advanced Practice Experience
Peds 591: Pediatric Clerkship
Phcy 470: Distributive Intro Pharmacy Practice Exp
Pkin 591: Pharmacokinetics Clerkship
Pnmt 591: Pharmacy Medication Therapy Management
Pois 591: Poison Control Clerkship
Prct 350: Information Skills in Pharmacy Practice
Prct 353: Practice Skills Laboratory I
Prct 354: Practice Skills Laboratory II
Prct 357: Advocacy and Leadership in Pharmacy
Prct 358: Geriatrics
Prct 359: Tobacco Cessation Education
Prct 360: Personal Time Mngment for Pharm Students
Prct 361: Vaccine-preventable Illnesses/Travel med
Prct 362: Veterinary Pharmacy
Prct 363: Pharmacy, Microcontrollers & the Interne
Prct 376: Selective Intro Pharmacy Practice Exp
Prct 450: Pharmacy Practice I
Prct 451: Pharmacy Practice II
Prct 455: Practice Skills Laboratory III
Prct 456: Practice Skills Laboratory IV
Prct 477: Institutional Pharmacy Practice II
Prct 478: Community Pharmacy Practice II
Prct 480: Introduction to Global Health & Pharmacy
Prct 520: Case Management I
Prct 521: Case Management II
Prct 522: Case Management III
Prct 523: Case Management IV
Prct 524: Case Management V
Prct 525: Case Management VI
Prct 526: Case Management VII
Prct 527: Case Management VIII
Prct 528: Case Management IX
Prct 529: Case Management X
Prct 530: Clinical Skills Evaluation I
- Prct 531: Clinical Skills Evaluation II
- Prct 532: Clinical Skills Evaluation III
- Prct 541: Problems in Clinical Pharmacy
- Prct 542: 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 553: Clinical Externship (community)
- Prct 554: Clinical Externship (institutional)
- Prct 555: Pharmaceutical Care I: Knowledge & Comp
- 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 566: Seminar Skills Dev for Health Prof
- Prct 567: Seminar Skills Dev for Health Prof II
- Prct 569: Pharmaceutical Care IV: Group
- Prct 577: Practice Skills Laboratory V
- Prct 586: Adult Medicine Clerkship
- Prct 587: Ambulatory Care Clerkship
- Prct 591: Elective Clerkship
- Prct 592: Elective Clerkship
- Prct 593: Elective Clerkship
- Prct 599: Clinical Trials Skills
- Psych 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
- 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