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: Pharmacocommunology
- 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 509: Integrated Systems: DERM/EENT
- Phcy 550: Integrated Institutional IPPE
- Phcy 560: Personal and Professional Development II
- Phcy 561: Interprofessional Collaboration II
- Phcy 601: Multisystem Complex Patient Care I
- Phcy 602: Hematology/Oncology/Immunology
- Phcy 603: Integrated Gynecological & 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
- ToCP 591: Transitions of Care Patient Care APPE

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 473: Medical Cannabis
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 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 687: Thesis
Medc 711: Intro to Computer-Aided Drug Design
Medc 712: Quantitative Structure-Activity Relation
Medc 713: Drugs Affecting the Nervous System
Medc 714: Chemotherapeutic Agents
Medc 718: Bioorganic Chemistry
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 450: Career/Achievements in BMS. Nat.Prod.Res
Phcg 451: Probiotics in Pharmacy
Phcg 454: Problems in Pharmacognosy
Phcg 452: Problems in Pharmacognosy
Phcg 455: 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: Pharmologic Case Study for Therapeutics
Phcl 441: Pharmacology: Novel Drugs in Clinic 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

Pharmaceuticals & Drug Delivery
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 Pharmacueticals
Phar 548: 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 748: Product Development
Phar 750: Applied Pharmaceutics
Phar 760: Applied Pharmacokinetics
Phar 787: Dissertation

Pharmacy Administration
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 470: Phy & Psychosoc Aspects Women's Health
Phad 478: History of Pharmacy
Phad 492: Current Issues in Health Care
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 774: Research in Pharmacy Administration
Phad 780: General Linear Models
Phad 781: Applied Multivariate Analysis
Phad 783: Adv Pharmaceutical Mtling & Patient Beha
Phad 786: Patient Reported Outcomes
Phad 792: Drug Development and Marketing
Phad 794: Pharmacoconomics
Phad 795: Special Topics in Pharmacy Administratio
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 Ph
- Indy 591: Pharmaceutical Industry Clerkship
- Infld 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: 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 Pract
- Nutr 591: Nutrition Clerkship
- Oncl 591: Oncology Clerkship
- Pain 591: Pain Management Advanced Pharmacy Practi
- Peds 591: Pediatric Advanced Practice Experience
- Peds 591: Pediatric Clerkship
- Phcy 470: Distributive Intro Pharmacy Practice Exp
- Phcy 471: Institutional Immersion IPPE I
- Phcy 510: Community Pharmacy Practice II
- 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 Mngent for Pharm Students
- Prct 361: Vaccine-preventable Illnesses/Travel med
- Prct 362: Veterinary Pharmacy
- Prct 363: Pharmacy, Microcontrollers & the Interne
- 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 477: Institutional Pharmacy Practice II
- Prct 490: Introduction to Global Health & 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 & Compr
- Prct 556: Pharmaceutical Care I: Problem-Solv
- Prct 557: Pharmaceutical Care I: Group
- Prct 558: Pharmaceutical Care II:Knowledge & Comp

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• 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: Pers & Prof Dev - Seminar Skills
• Prct 567: Pers & Prof Dev - NAPLEX Review
• Prct 568: Pediatric Pharmacotherapy
• Prct 569: Pharmaceutical Care IV: Group
• Prct 570: Patient-Caregiver-Provider Education
• 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
• 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
• 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 Practic