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: 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 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 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
- 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 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 697: Thesis
• BMS 725: Mass Spectrometry: Fundamentals
• BMS 767: 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 Neuroscience of Drug Abuse
• Medc 416: Intro to the Principles of Med Chem I
• Medc 417: Intro to the Principles of Med Chem II
• Medc 419: 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 & Development
• Medc 711: Intro to Computer-Aided Drug Design
• Medc 712: Quantitative Structure-Activity Relationship
• Medc 713: Drugs Affecting the Nervous System
• Medc 714: Chemotherapeutic Agents
• Medc 716: 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
• 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 541: Problems in Pharmacognosy
• Phcg 542: Problems in Pharmacognosy
• Phcg 545: Individual Study in Pharmacognosy Res
• Phcg 546: 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
Phcl 202: Environmental Health Perspectives
Phcl 340: Animal Cells: Testing New Drugs
Phcl 341: Human Pathophysiology I
Phcl 342: Human Pathophysiology II
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: Sai 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 of Pharmaceutical Dosage For
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 Pharmaceutics
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 749: Product Development
Phar 750: Applied Pharmaceutics
Phar 760: Applied Pharmacokinetics
Phar 797: 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 for Pharmacists
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 545: Aspects of Pediatric Pharmacy Practice
Phad 546: Film and Pharmacy
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 Mkting & Patient Beha
Phad 786: Patient Reported Outcomes
Phad 792: Drug Development and Marketing
Phad 794: Pharmacoeconomics
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 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 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 687: Personal & Professional Development V
- Phcy 686: Adult Medicine Required APPE
- Phcy 687: Ambulatory Care Required APPE
- Pkin 591: Pharmacokinetics Clerkship
- Pnmt 591: Pharmacy Medication Therapy Management
- Pois 591: Poison Control Clerkship
- Prc 357: Advocacy and Leadership in Pharmacy
- Prc 358: Geriatrics
- Prc 359: Tobacco Cessation Education
- Prc 360: Personal Time Mngment for Pharm Students
- Prc 361: Vaccine-preventable Illnesses/Travel med
- Prc 362: Veterinary Pharmacy
- Prc 363: Pharmacy, Microcontrollers & the Interne
- Prc 470: Introduction to Nuclear Pharmacy
- Prc 471: Advanced Topics in Cardiology
- Prc 472: Life After Graduation
- Prc 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 & 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 558: 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
Surg 591: Surgery Clerkship
Tran 591: Organ Transplant Advanced Pharmacy Pract
Veto 591: Veterinary Medicine Advanced Pharmacy Pract
Womh 591: Women's Health Advanced Pharmacy Pract