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 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 Pharmac-immunology
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: Quantitative Structure-Activity Relation
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
Phcg 426: Cancer Chemo - Targets and Discovery
Phcg 427: Drug Discovery I
Phcg 428: Drug Discovery II
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
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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>
<td>Fermentation Chemistry</td>
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<td>Phcl 202</td>
<td>Environmental Health Perspectives</td>
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<td>Phcl 340</td>
<td>Animal Cells: Testing New Drugs</td>
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<td>Phcl 341</td>
<td>Human Pathophysiology I</td>
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<td>Phcl 342</td>
<td>Human Pathophysiology II</td>
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<td>Phcl 345</td>
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<td>Immunological Basis for Therapeutics</td>
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<td>Phcl 348</td>
<td>Principles of Life Science Research</td>
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<td>Phcl 349</td>
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<td>Phcl 351</td>
<td>Drugs and Human Performance</td>
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<td>Phcl 352</td>
<td>Case Studies in Immunology</td>
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<td>Phcl 382</td>
<td>Fundamentals of Cancer</td>
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<td>Phcl 440</td>
<td>Physiologic Case Study for Therapeutics</td>
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<td>Phcl 441</td>
<td>Pharmacology: Novel Drugs in Clin Trials</td>
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<td>Phcl 442</td>
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<td>Phcl 443</td>
<td>Basic and Clinical Pharmacology I</td>
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<td>Phcl 444</td>
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<td>Lab Meth in Pharmacology &amp; Toxicology I</td>
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<td>Phcl 504</td>
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<td>Phcl 505</td>
<td>Modern Phcl: Novel Drugs Clinical Trials</td>
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<td>Phcl 569</td>
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<td>Phcl 586</td>
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<td>Phcl 641</td>
<td>Unified Lab in Pharm. Tox &amp; Phys Chem</td>
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<td>Phcl 642</td>
<td>Unified Lab in Pharm. Tox &amp; Phys Chem</td>
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<td>Phcl 643</td>
<td>Seminar: Curr Topics in Pharm &amp; Tox</td>
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<td>Phcl 669</td>
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<td>Phcl 675</td>
<td>Gen Princ of Pharmacology &amp; Toxicology I</td>
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<td>Phcl 676</td>
<td>Gen Princ - Pharmacology &amp; Toxicology II</td>
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<td>Phcl 677</td>
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<td>Phcl 679</td>
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<td>Phcl 685</td>
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**Pharmaceutics & Drug Delivery**

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<td>Concepts in Pharmaceutical Biotechnology</td>
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<td>Phar 433</td>
<td>Pharmaceutical Industry</td>
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<td>Phar 435</td>
<td>Pharmaceutical Stability</td>
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<td>Phar 436</td>
<td>Product Development</td>
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<tr>
<td>Phar 541</td>
<td>Problems in Pharmaceutics</td>
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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 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: 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: 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 Mktng & 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
• Infd 591: Infectious Disease Clerkship
• Info 591: Informatics Practice Experience
• Inop 591: Institutional Out-Patient Practice Exper
• 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 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 Mngment 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 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 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-Solv
- 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
- 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