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 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 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 602: Techniques in BioMolecular Sciences
BMS 605: Original Research Proposal BMS
BMS 641: BioMolecular Sciences Seminar
BMS 643: BioMolecular Sciences Seminar
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: 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 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 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
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>Phcl 342</td>
<td>Human Pathophysiology II</td>
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<tr>
<td>Phcl 343</td>
<td>Biochemical Foundations of Therapeutics</td>
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<td>Phcl 344</td>
<td>Physiological Foundation of Therapeutics</td>
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<td>Phcl 345</td>
<td>Nutritional Pharmacology</td>
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<td>Phcl 346</td>
<td>Immunological Basis for Therapeutics</td>
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<td>Phcl 347</td>
<td>Introduction to Environmental Toxicology</td>
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<td>Phcl 348</td>
<td>Principles of Life Science Research</td>
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<td>Phcl 349</td>
<td>Specialized Topics in Environ. Health</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 381</td>
<td>Introduction to Toxicology</td>
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<tr>
<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>Pharmcology: Novel Drugs in Clin Trials</td>
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<td>Phcl 442</td>
<td>Clinical Toxicology</td>
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<td>Phcl 443</td>
<td>Basic and Clinical Pharmacology I</td>
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<td>Phcl 501</td>
<td>Principles of Life Science Research</td>
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<td>Phcl 503</td>
<td>Lab Meth in Pharmacology &amp; Toxicology I</td>
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<td>Phcl 504</td>
<td>Lab Meth in Pharmacology &amp; Toxicology II</td>
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<td>Phcl 505</td>
<td>Modern Phcl: Novel Drugs Clinical Trials</td>
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<td>Problems in Pharmacology</td>
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<td>Phcl 547</td>
<td>Introduction to Environmental Toxicology</td>
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<td>Phcl 563</td>
<td>Introductory Pharmacology I</td>
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<td>Phcl 564</td>
<td>Introductory Pharmacology II</td>
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<td>Phcl 569</td>
<td>Drug Abuse Education</td>
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<td>Phcl 581</td>
<td>Introduction to Toxicology</td>
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<td>Phcl 586</td>
<td>Receptors and Channels</td>
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<td>Phcl 611</td>
<td>Teaching in Pharmacology and Toxicology</td>
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<td>Phcl 612</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>
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<td>Phcl 643</td>
<td>Seminar: Curr Topics in Pharm &amp; Tox</td>
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<td>Phcl 651</td>
<td>Directed Studies in Pharm and Tox</td>
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<td>Phcl 663</td>
<td>General Pharmacology I</td>
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<td>Phcl 665</td>
<td>Human Neurobiology</td>
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<td>Phcl 668</td>
<td>Externship in Pharmacology</td>
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<td>Phcl 669</td>
<td>Physiological Chemistry</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>
<td>Advanced Topics</td>
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<td>Phcl 679</td>
<td>Methods in Pharmacology and Toxicology</td>
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<td>Sal Topics - Pharmacology and Toxicology</td>
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<td>Phcl 685</td>
<td>Externship in Toxicology</td>
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**Pharmaceutics & Drug Delivery**

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<tr>
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<tbody>
<tr>
<td>Phar 432</td>
<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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<td>Phar 541</td>
<td>Problems in Pharmaceutics</td>
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<td>Phar 542</td>
<td>Problems in Pharmaceutics</td>
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<tr>
<td>Phar 543</td>
<td>Seminar in Current Pharm. Topics</td>
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<td>Phar 544</td>
<td>Seminar in Current Pharm. Topics</td>
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<tr>
<td>Phar 545</td>
<td>Biopharmaceutics and Pharmacokinetics</td>
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<tr>
<td>Phar 547</td>
<td>Veterinary Pharmacuetics</td>
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</tbody>
</table>
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 Elective
Phad 394: Intermediate 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 & Psychosocial 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 744: Research in Pharmacy Administration
Phad 780: General Linear Models
Phad 781: Applied Multivariate Analysis
Phad 783: Adv Pharmaceutical Mkting & 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
• 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
• Nuc 591: Nuclear Medicine Advanced Pharmacy Pract
• Nutr 591: Nutrition Clerkship
• Onc 591: Oncology Clerkship
• Pains 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
• 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 477: Institutional Pharmacy Practice II
• Prct 480: Introduction to Global Health & Pharmacy
• 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 553: Clinical Externship (community)
• Prct 554: Clinical Externship (institutional)
• Prct 555: Pharmaceutical Care I: Knowledge & Compr
• Prct 556: Pharmaceutical Care I: Problem-Solvin
• 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: 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
• Psyic 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 Pract
• Womh 591: Women's Health Advanced Pharmacy Pract