Core Chemistry Courses (25 hours)

CHEM 215: General Chemistry I ........................................... 3
and CHEM 216: General Chemistry I Laboratory .................. 2
CHEM 225: General Chemistry II .......................................... 3
and CHEM 226: General Chemistry II Laboratory ................. 2
CHEM 325: Organic Chemistry I ........................................... 3
and CHEM 326: Organic Chemistry Laboratory .................... 2
CHEM 335: Organic Chemistry II ......................................... 3
and CHEM 336: Organic Chemistry II Laboratory ................. 2
MATH 150: Calculus I .......................................................... 5

GENERAL EDUCATION DEGREE REQUIREMENTS*
Courses meeting general education requirements may also satisfy major, minor, emphasis or program requirements.

Basic Skills (14 hours)

COMM 207: Speech Communication ...................................... 3
ENGL 101: English Composition .......................................... 3
ENGL 190: Honors English Composition ............................. 3
or ENGL 299: Introduction to Research Writing ..................... 3
MATH 150: Calculus I .......................................................... 5

*General Education Electives (25-26 hours)

Sciences (9-10 hours)

Natural Sciences (Select one)

BIOL 111: General Biology .................................................. 3
and BIOL 112: General Biology Laboratory .......................... 2
BIOL 211: Principles of Biology I ........................................ 4

Physical Science
Satisfied by the Major

Social Studies
SOC 100: Introduction to Sociology ..................................... 3

Political Studies
POLS 101: U.S. Politics ...................................................... 3

Fine Arts and Aesthetic Studies
MUSIC 120: Music Appreciation (___) ................................. 3

Health and Well Being

PSYCH 155: General Psychology .......................................... 3
HHP 150: Lifetime Fitness Concepts ..................................... 1

Human Heritage (Select one)

HIST 101: World History to 1500 ........................................ 3
HIST 102: World History from 1500 ..................................... 3
HIST 201: American History to 1865 .................................... 3
HIST 202: American History from 1865 .............................. 3

Chemistry Courses (20 hours)

CHEM 215: General Chemistry I ........................................... 3
and CHEM 216: General Chemistry I Laboratory ................. 2
CHEM 225: General Chemistry II ......................................... 3
and CHEM 226: General Chemistry II Laboratory ................. 2
CHEM 325: Organic Chemistry I .......................................... 3
and CHEM 326: Organic Chemistry Laboratory .................... 2
CHEM 335: Organic Chemistry II ......................................... 3
and CHEM 336: Organic Chemistry II Laboratory ................. 2

Biology Courses (10 hours)

BIOL 257: Anatomy and Physiology ..................................... 3
and BIOL 258: Anatomy and Physiology Laboratory ............. 2
BIOL 371: General Microbiology ......................................... 3
and BIOL 372: General Microbiology Laboratory ................. 2

Mathematics Courses

MATH 150 Calculus I (5 hours) (Satisfied by General Education)

*Approved by the General Education Committee

A minor is not required for the pharmaceutical chemistry emphasis.

Remaining requirements for the baccalaureate degree are fulfilled upon satisfactory completion of the first two years of any accredited pharmacy school curriculum. An official transcript will need to be sent directly from the pharmacy school to Pittsburg State University, Registrar’s office. Restrictions on credit hours earned on campus and in the final semester are waived.
Sample Professional Curriculum* (A minimum of 56 hours to be transferred from an accredited School of Pharmacy).

P&TX 630 Pharmacology I (4 hours)
MDCM 601 Medicinal Biochemistry I (4 hours)
MDCM 602 Medicinal Biochemistry Laboratory (1 hour)
PHPR 500 Early Pharmacy Practice Experience (1 hour)
PHCH 517 Calculations (2 hour)
PHPR 620 Ethics & Intro to Law (1 hour)
PHAR 507 Dean’s Orientation & Introduction to Pharmacy (1 hour)
MDCM 603 Medicinal Biochemistry II (3 hours)
PHCH 518 Principles of Solution/Dosage Forms (3 hours)
P&TX 631 Pharmacology II (4 hours)
PHAR 502 Pharmacy Practice II (3 hours)
PHAR 510 Laboratories (1 hour)
PHAR 505 Immunization Theory and Practice (1 hour)
MDCM 625 Medicinal Chemistry I (3 hours)
P&TX 632 Pharmacology III (4 hours)
PHCH 625 Pharmacokinetics (3 hours)
PHPR 503 Pharmacy Practice III (4 hours)
PHAR 515 Laboratories (1 hour)
MDCM 626 Medicinal Chemistry II (3 hours)
P&TX 640 Toxicology (2 hours)
PHPR 646 Pharmacotherapy I (4 hours)
PHCH 626 Biopharmaceutics & Drug Delivery (3 hours)
PHPR 619 Health Care Systems (3 hours)
PHAR 520 Laboratories (2 hours)

*The Sample Professional Curriculum indicated reflects the University of Kansas Pharmacy Curriculum but the Curriculum is representative of all Pharmacy Schools in the United States.
GENERAL EDUCATION REQUIREMENTS
(39-40 hrs.)

Basic Skills 14 hours
COMM 207 Speech Communication..........................3
ENGL 101 English Composition.................................3
ENGL 190 Honors English Composition.........................3
OR ENGL 299 Introduction to Research Writing...............3
MATH 150 Calculus I...........................................5

Sciences 9-10 hours
Natural Sciences (Select one)
BIOL 111/112 General Biology and Laboratory..............5
BIOL 211 Principles of Biology I...............................4

Physical Science
Satisfied by the Major

Social Studies 3 hours
SOC 100 Introduction to Sociology............................3

Political Studies 3 hours
POLS 101 U.S. Politics...........................................3

Fine Arts and Aesthetic Studies 3 hours
MUSIC 120 Music Appreciation................................3

Health and Well Being 4 hours
PSYCH 155 General Psychology................................3
HHP 150 Lifetime Fitness Concepts............................1

Human Heritage (Select one) 3 hours
HIST 101 World History to 1500.................................3
HIST 102 World History from 1500.............................3
HIST 201 American History to 1865............................3
HIST 202 American History from 1865.......................3

Notes

NOTE: The information contained herein is intended to be used for the planning of a student’s academic program and does not constitute a contract. While this guide was prepared with the latest information, courses, graduation requirements, and curricula are subject to change.

When a student attains 85 semester hours of credit (including current enrollment) the student must apply for a degree check in the Office of the Registrar (Degree Checking Section), Room 102 Russ Hall.

MINIMUM GENERAL REQUIREMENTS: The minimum requirements for graduation include 124 semester hours of which 60 hours must be from a four year university. In addition, 45 semester hours must be upper division and 30 hours in residence at PSU (including 24 of the last 30). Minimum GPA for non-education degree is 2.0 overall [2.0 in major], secondary education degree is 2.5 overall [2.75 in major], and early/late childhood/unified degree is 2.80 overall [3.0 in major]. A minimum GPA of 2.0 in any minor and in residence coursework is required. General Education and all degree requirements are provided in the online catalog. Refer to individual departments for specific requirements.