

# PHARMACEUTICAL SCIENCES, BS

## REQUIREMENTS

### UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin–Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (<http://guide.wisc.edu/undergraduate/#requirementsforundergraduatestudytext>) section of the *Guide*.

General Education	<ul style="list-style-type: none"> <li>• Breadth–Humanities/Literature/Arts: 6 credits</li> <li>• Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits</li> <li>• Breadth–Social Studies: 3 credits</li> <li>• Communication Part A Part B *</li> <li>• Ethnic Studies *</li> <li>• Quantitative Reasoning Part A Part B *</li> </ul>
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\* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

### MAJOR REQUIREMENTS

The bachelor's degree will be awarded once all Pharmaceutical Sciences major requirements are met, as well as the university general education requirements and other coursework totaling at least 120 credits.

Code	Title	Credits
PHM SCI 420	Physicochemical Principles of Drug Formulation and Delivery	3
PHM SCI 432	Pharmaceutical Biochemistry	4
PHARMACY 423	Pharmacy Integrated Learning Laboratory	1
PHM PRAC 438	Nonprescription Medications and Self-Care	2
PHM PRAC 461	Pathways in Pharmacy Practice	1
PHM PRAC 650	Comprehensive Immunization Delivery	1
S&A PHM 411	Pharmacy in the Health Care System	3
PHM SCI 531	Medicinal Chemistry I	3

PHM SCI 541	Pharmaceutical Calculations, Dispensing and Compounding	3
PHARMACY 434	Pharmaceutical Genetics and Immunology	2
PHARMACY 621	Pharmacokinetics	3
PHM PRAC 426	Pharmacy Practice Experience I	1
PHM PRAC 462	Professional Development and Engagement I– Developing Your Professional Identity	1
S&A PHM 414	Social and Behavioral Aspects of Pharmacy Practice	3

**Total Credits** **31**

### ADDITIONAL NOTES

- World language coursework can count towards the "Humanities/Literature/Arts" gen ed requirement.
- AP, IB, retro-credits, and credit-granting transfer coursework from other institutions (including coursework completed while in high school) all count toward the elective credit requirement.
- Students must also complete coursework appropriate for admissions to the PharmD program.
- Students earning the BS Pharmaceutical Sciences degree will NOT be able to earn additional majors or undergraduate certificates.

### QUALITY OF WORK

- Students must have a minimum 2.000 cumulative grade point average.
- School of Pharmacy academic policies (regarding matters such as academic and professional conduct, academic progress/probation, honor roll, pass/fail registration, and independent study coursework) are found in the PharmD student policy handbook (<https://students.pharmacy.wisc.edu/pharmd-handbook/>).

### UNIVERSITY DEGREE REQUIREMENTS

**Total Degree** To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.

**Residency** Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.

**Quality of Work** Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.