

## Pharmacy School Pre-Requisites

	PharmCAS Schools*	Total # Qtr Hrs	Total # Sem Hrs	0-6 Program Offered	B.S. Required (not preferred)
Albany College of Pharmacy (NY & VT)	*	105	70		
Appalachian College of Pharmacy (VA)	*	110	72		
Arizona, Univ. of			72		▶
Arkansas for Medical Sciences, Univ. of	*		69		
Auburn Univ. (AL)	*		87-88		
Belmont Univ. (TN)	*	100	64		
Binghamton The SUNY, Univ. at (NY)	*	~105	~65		
Buffalo The SUNY, Univ. at (NY)	*	Varies	~70		▶
Butler Univ. (IN)	*		68		
California Northstate	*	~108	~72		
CA-San Diego, Univ. of	*				X
CA-San Francisco, Univ. of	*	92	62		
California Health Sciences University	*	68	48		▶
Campbell Univ. (NC)	*	94	64		
Cedarville University	*		72		
Chapman University (CA)	*	94	63		
Charleston, Univ. of (WV)	*	95	63		
Chicago State Univ. (IL)	*	89	62		▶
Cincinnati, Univ. of (OH)	*		68		
Colorado Denver, Univ. of	*	135	90		
Concordia University (WI)	*	106	66		
Connecticut, Univ. of	*	NA	64		
Creighton Univ. (NE)	*	95	63		▶
Drake Univ. (IA)	*	82	63		
Duquesne Univ. (PA)		NA	70		
D'Youville College (NY)	*	97.5	65		
East Tennessee State Univ.	*		61		
Fairleigh Dickinson University	*	135	90		▶
Ferris State Univ. (MI)	*		74-80		
Findlay, Univ. of (OH)	*	NA	72	X	
Florida, Univ. of	*		81		
Florida A&M Univ.					
Georgia, Univ. of	*		69		▶
Hampton Univ. (VA)			64		
Harding Univ. (AR)	*	96	64		
Hawaii-Hilo, Univ. of	*	99	66		
High Point University	*	97	65		
Houston, Univ. of (TX)	*		73		▶
Howard Univ. (DC)	*	132-135	79		
Husson Univ. (ME)	*	90	60		

## 2017-2018

## Pharmacy Pre-Requisite Information

TO USE THIS PDF:

With this file open in Adobe Acrobat click the arrows to the right of the table on each page to move to the next section of requirements for each school.

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1-4 General Requirements

### Required Classes:

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9 [Social Sciences](#)

13 [Liberal Arts & Other Requirements](#)

**General Guidelines:** If applicable, courses should be for science majors and include a lab. Check the institution's web site for specific guidelines or clarification.

R: Required for admission

CR: Conditional Requirement, subject may be substituted to fill prerequisite

S: Suggested/Recommended, not required for admission

### Other Notes:

- Social Science requirement may include any of the following subjects: Psychology, Sociology, Anthropology, Political Science, Economics, Geography. Please contact individual school to determine how many hours/classes are required to fulfill their requirements.
- Humanities requirement may include any of the following subjects: History, Civilizations, Fine Arts, Literature, Philosophy, Religious Studies, Ethics, Foreign Language, Cultural Diversity, Performing Arts, Visual Arts. Please contact individual schools to determine institution specific requirements.
- Contact institution for specific course equivalencies
- Contact schools with this requirement for course equivalencies
- General Education requirement is often the non-science courses prerequisites. Contact schools with Gen Ed requirement for courses.

\*\* These colleges of pharmacy are not yet eligible to join AACP as institutional members. They participate in PharmCAS and have had an ACPE site visit approved but have no official ACPE status. All PharmCAS applicants that designate these schools are required to apply to another school with ACPE status.

□ Units

▣ Two courses are required for subject

▤ Three courses are required for subject

▥ Four courses are required for subject

NUMERICAL NOTES appear on the last page.

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	PharmCAS Schools*	Total # Qtr Hrs	Total # Sem Hrs	0-6 Program Offered	B.S. Required (not preferred)	
Idaho State Univ.		108	83			
Illinois-Chicago, Univ. of	*	97.5	65			
Incarnate Word, Univ. of the (TX)	*	94	70			▶
Iowa, Univ. of	*		72			
Kansas, Univ. of			68			
Keck Graduate Institute	*				X	
Kentucky, Univ. of	*	130	70			
Larkin Health Sciences Institute	*		63			▶
Lebanese American University			70			
LECOM	*	94	60			
Lipscomb Univ. (TN)	*	99	66			
Loma Linda Univ. (CA)	*	115	77			
Long Island Univ. (NY)	*	101	67-69			▶
Louisiana at Monroe, Univ. of	*		77			
Manchester University (IN)	*	90	60			
Maryland, Univ. of	*	99	65			
Maryland Eastern Shore, Univ. of	*	104	64			
Marshall University	*		64			▶
Marshall B. Ketchum University	*	71	48			
Massachusetts-Boston	*	0	0	X		
Massachusetts-Worcester/Manchester	*	99/56*	66/39*		▶	
Medical University of South Carolina	*	99	66			
Mercer Univ. (GA)	*	135	90			▶
Michigan, Univ. of	*	100	80			
Midwestern Univ-Chicago (IL)	*	90	62			
Midwestern Univ-Glendale (AZ)	*	90	62			
Minnesota, Univ. of	*		48			
Mississippi, Univ. of	*		91			▶
Missouri - Kansas City, Univ. of	*	NA	57			
Montana, Univ. of	*		64			
Nebraska Medical Center, Univ. of	*	96	64			
New England, University of (ME)	*	82	58			
New Mexico, Univ. of	*	128	91			▶
North Carolina Chapel Hill, Univ. of	*	130	72			
North Dakota State Univ.			76			
North Texas, Univ. of	*		71			
Northeast Ohio (NEOMED)	*	105	72			
Northeastern Univ. (MA)	*		56		X	▶
Notre Dame of Maryland Univ.	*	105	72			
Nova Southeastern Univ. (FL)	*	96	64			

## Pharmacy School Pre-Requisites

	PharmCAS Schools*	Total # Qtr Hrs	Total # Sem Hrs	0-6 Program Offered	B.S. Required (not preferred)	
Ohio Northern Univ.			NA	X		
Ohio State Univ., The	*	180	120		X	
Oklahoma, Univ. of	*		64			▶
Oregon State Univ.	*	96	65			
Pacific, Univ. of the (CA)	*	100	68			
Pacific Univ. Oregon	*	93	62			
Palm Beach Atlantic Univ. (FL)	*		66-67			
Philadelphia College of Osteopathic Medicine (GA)	*	91	60			▶
Philadelphia, Univ. of the Sciences in (PA)	*		77	X		
Pittsburgh, Univ. of (PA)	*	74	60-64			
Presbyterian College (SC)	*	102	64			
Puerto Rico, Univ. of	*		75-80			
Purdue Univ. (IN)	*	90	60			▶
Regis Univ. (CO)	*	108	72			
Rhode Island, Univ. of				X		
Roosevelt Univ. (IL)	*	96	67			
Rosalind Franklin Univ. (IL)	*	91	62			
Roseman Univ. of Health Sciences	*	90	60			▶
Rutgers, The State Univ. of NJ			60	X		
Saint Joseph, Univ. of (CT)	*	102	68		X	
Samford Univ. (AL)	*		64-67			
Shenandoah Univ. (VA)	*	71	63			
South Carolina, Univ. of	*	99	66			▶
South College (TN)	*	104	73			
South Dakota State Univ.			66			
South Florida, Univ. of	*	104	72			
South Univ. (GA & SC)	*		63-68			
Southern California, Univ. of	*				X	▶
Southern Illinois Univ. Edwardsville	*		72			
St. John Fisher College (NY)	*	93	62			
St. John's Univ. (NY)			NA	X		
St. Louis COP (MO)	*		NA			
Sullivan Univ. (KY)	*	108	72			▶
Southwestern Oklahoma State Univ.			67			
Temple Univ. (PA)	*	NA	62-65			
Tennessee, The Univ. of	*		62			
Texas A&M Univ.	*	108-112.5	72-75			
Texas Southern Univ.	*	NA	80			▶
Texas Tech Univ.	*		~72			
Texas-Austin, Univ. of	*	102.5	65			

## Pharmacy School Pre-Requisites

	PharmCAS Schools*	Total # Qtr Hrs	Total # Sem Hrs	0-6 Program Offered	B.S. Required (not preferred)
Texas-Tyler, Univ. of	*	NA	69		
Thomas Jefferson Univ. (PA)	*	106	68		
Toledo, Univ. of (OH)			63		
Touro Univ. (CA)	*	41	27		X
Touro College (NY)	*	105	NA		X
Union Univ. (TN)	*	93	61		
Utah, Univ. of	*				
Virginia Commonwealth Univ.	*	109.5	73		
Washington, Univ. of	*	96-102	64-70		
Washington State Univ.	*				
Wayne State Univ. (MI)	*		60		
West Coast University	*	94.5	63		
West Virginia Univ.	*	100	61		
Western New England Univ. (MA)	*		67		
Western Univ. (CA)	*	90	60		
Wilkes Univ. (PA)		NA	NA		
Wingate Univ. (NC)	*		61-67		
Wisconsin, Univ of	*	102	68		
Wyoming, Univ. of	*	55	63		
Xavier Univ. (LA)	*		64		
Total # REQUIRED				7	8
Total # CONDITIONALLY REQUIRED					

## Physical Sciences

	Gen Bio I	Gen Bio II	Anat & Phys/Human Anat	Cell Bio	Genetics or Genomic Bio	Immunology	Kinesiology	Microbiology	Molecular Bio	Zoology	Gen Chem I	Gen Chem II	Org Chem I	Org Chem II	Analy Chem	Biochemistry	Pre Calc	Calculus	Stats	Computer Appl/Sci	Physics I	Physics II
Albany College of Pharmacy (NY & VT)	R	R	CR	CR	CR			R	CR		R	R	R	R		CR		R	R		R	R
Appalachian College of Pharmacy (VA)	R	R	R□□					R			R	R	R	R				R <sup>54</sup>	CR		R	R
Arizona, Univ. of	R	R	R□□					R			R	R	R	R				R <sup>55</sup>	R		R	
Arkansas for Medical Sciences, Univ. of	R	R	CR	CR	CR			R			R	R	R	R	CR	CR		R	CR		R	CR
Auburn Univ. (AL)	R		R <sup>35</sup>		R	R		R			R	R	R	R		R		R	R		R	
Belmont Univ. (TN)	CR	CR	CR		CR			CR		CR	R	R	R	R				R	R		R	
Binghamton The SUNY, Univ. at (NY)	R	R	R□□					R			R	R	R	R		CR		R□□	R		R	R
Buffalo The SUNY, Univ. at (NY)	R	R	R□□					R			R	R	R	R		R		R□□	R		R	
Butler Univ. (IN)			R□□	R				R			R	R	R	R				R <sup>39</sup>				
California Northstate	R	R	R□□	CR				R	CR		R	R	R	R		CR		R	R		R	
CA-San Diego, Univ. of	R <sup>c</sup>	R <sup>c</sup>		CR					CR		R	R	R	R				R□□ <sup>39</sup>			R	R
CA-San Francisco, Univ. of	R	R	R <sup>46</sup>								R	R	R	R				R□□			R <sup>45</sup>	R <sup>45</sup>
California Health Sciences University	R	R	R□□					R			R	R	R	R				R				
Campbell Univ. (NC)	R□□	CR	CR					CR			R	R	R	R				R <sup>37</sup>	R		R	
Cedarville University	R		R□□	R				R	R		R	R	R	R				R	R		R	
Chapman University (CA)	R		R		R			R			R	R	R	R				R	R		R	
Charleston, Univ. of (WV)	R	R	R□□					R			R	R	R	R			R	R	R		R	
Chicago State Univ. (IL)	R	R	R								R	R	R	R				R <sup>37</sup>	R		R <sup>36</sup>	
Cincinnati, Univ. of (OH)	R	R						R			R	R	R	R				R□□	R		R	R
Colorado Denver, Univ. of	R	R	R□□					R			R	R	R	R		R		R			R	
Concordia University (WI)	R	R	CR	CR	CR				CR		R	R	R	R				R	R		R	CR
Connecticut, Univ. of	R		R□□					R			R	R	R	R		R		R			R	
Creighton Univ. (NE)	R	R	R <sup>c</sup>								R	R	R	R				R				
Drake Univ. (IA)	R <sup>c</sup>	R <sup>c</sup>	CR <sup>c</sup>	CR <sup>c</sup>				R			R	R	R	R				R	R			
Duquesne Univ. (PA)	R	R									R	R	R	R				R	R	R	R	
D'Youville College (NY)	R	R	CR					CR			R	R	R	R				R	R		R	R
East Tennessee State Univ.	R	CR	CR					R			R	R	R	R		CR		R	R		R	
Fairleigh Dickinson University	R	R	R□□								R	R	R	R		R		R	R		R	R
Ferris State Univ. (MI)	R	R	R□□ <sup>c</sup>		R			R			R	R	R	R		R		R <sup>29</sup> <sup>c</sup>	R		R	
Findlay, Univ. of (OH)	R	R	R□□	R	R				R		R	R	R	R				R□□	R	CR	R	
Florida, Univ. of	R	R	R□□					R			R	R	R	R		R		R <sup>17</sup>	R		R	R
Florida A&M Univ.	R	R	R□□								R	R	R	R		R		R			R	R
Georgia, Univ. of	R	R	R□□					R			R	R	R	R		R		R <sup>17</sup>	R			
Hampton Univ. (VA)	R	R									R	R	R	R			R	R			R	R
Harding Univ. (AR)	CR	CR	R□□	CR	CR	CR		R			R	R	R	R		R		R	R			
Hawaii-Hilo, Univ of	R	R	R□□					R			R	R	R	R				R				
High Point University	R		R					R			R	R	R	R				R			R	
Houston, Univ. of (TX)	R	R			R			R			R	R	R	R				R	R		R	
Howard Univ. (DC)	R		R□□					R			R	R	R	R		R		R	R		R	R
Husson Univ. (ME)	R	R	R□□								R	R	R	R				R	R			

Physical Sciences	Physical Sciences																					
	Gen Bio I	Gen Bio II	Anat & Phys/Human Anat	Cell Bio	Genetics or Genomic Bio	Immunology	Kinesiology	Microbiology	Molecular Bio	Zoology	Gen Chem I	Gen Chem II	Org Chem I	Org Chem II	Analy Chem	Biochemistry	Pre Calc	Calculus	Stats	Computer Appl/Sci	Physics I	Physics II
Idaho State Univ.			R□□	CR	CR			R			R	R	R	R		R		R <sup>53</sup>	R		R	
Illinois-Chicago, Univ. of	R	R	R□□					R			R	R	R	R		R		R	R		R	
Incarnate Word, Univ. of the (TX)	R	R	R□□					R			R	R	R	R				R	R		R	
Iowa, Univ. of	R	R	R□□					R			R	R	R	R		R		R <sup>59</sup>	R		CR <sup>c</sup>	
Kansas, Univ. of			R□□	CR				R	CR		R	R	R	R				R	R			
Keck Graduate Institute	R	R	R□□					R			R	R	R	R		R		R	R		R	
Kentucky, Univ. of	R		R□□					R			R	R	R	R				R <sup>c</sup>	R			
Larkin Health Sciences Institute	R	R	R□□	CR	CR	CR		CR	CR		R	R	R	R		CR		R	R		R	
Lebanese American University			R□□			R		R <sup>26</sup>			R		R	R		R			R <sup>62</sup>	R <sup>61</sup>		
LECOM	R	R									R	R	R	R				R	R		R	
Lipscomb Univ. (TN)	R	R									R	R	R	R				R <sup>29</sup>	R		R	
Loma Linda Univ. (CA)	R	R	R					R			R	R	R	R		R		R			R	R
Long Island Univ. (NY)	R	R	R□□					R			R	R	R	R				R			R	
Louisiana at Monroe, Univ. of			R□□	R	R			R			R	R	R	R		R		R	R <sup>63</sup>		R	
Manchester University (IN)	R	R	CR					R			R	R	R	R				R	R		R	
Maryland, Univ. of	R		R□□					R			R	R	R	R				R	R		R	R
Maryland Eastern Shore, Univ. of	R		R□□					R			R	R	R	R				R	R		R	
Marshall University	R	R	R□□					R			R	R	R	R				R <sup>39</sup>	R		R	R
Marshall B. Ketchum University	R	R	R□□					R			R	R	R	R				R				
Massachussetts-Boston	R	R		CR				R	CR		R	R	R	R		R		R□□	R		R	
Massachussets-Worcester/Manchester	R	R						R			R	R	R	R				R	R	CR	R	
Medical University of South Carolina	R	R	R□□					R			R	R	R	R				R	R		R	
Mercer Univ. (GA)	R	R	R□□					R			R	R	R	R		R		R	R		R	
Michigan, Univ. of	R	R	R□□		R			R			R	R	R	R		R		R	R		R	R
Midwestern Univ-Chicago (IL)	R	R	R								R	R	R	R				R <sup>37</sup>	R		R <sup>36</sup>	
Midwestern Univ-Glendale (AZ)	R	R	R								R	R	R	R				R	R		R	
Minnesota, Univ. of	R	R	R□□					R			R	R	R	R				R	R		R	CR
Mississippi, Univ. of	R	R	R <sup>41</sup>	R	R	R		R <sup>7</sup>			R	R	R	R		R		R	R		R	R
Missouri - Kansas City, Univ. of	R	R	R	R				R		CR	R	R	R	R				R <sup>17</sup>			R	
Montana, Univ. of			R□□	CR					CR		R	R	R	R				R	R		R	
Nebraska Medical Center, Univ. of	R		R□□								R	R	R	R	R	R		R	R		R	CR
New England, University of (ME)	R		R□□					R			R	R	R	R				R	R		R	
New Mexico, Univ. of			R□□	CR	R			R	CR		R	R	R	R				R	R		R	R
North Carolina Chapel Hill, Univ. of	R		R					R			R	R	R	R	R	R		R	R		R	R
North Dakota State Univ.	R		R□□					R□□	R		R	R	R	R		R		R	R		R	
North Texas, Univ. of	R	R	R		R			R			R	R	R	R				R	R		R	
Northeast Ohio (NEOMED)	R	R									R	R	R	R		R□□		R	R		R	R
Northeastern Univ. (MA)	R	R	R□□								R	R	R	R		R		R			R	
Notre Dame of Maryland Univ.	R	R	R□□					R			R	R	R	R				R	R		R	
Nova Southeastern Univ. (FL)	R	R	R□□	CR	CR			CR	CR		R	R	R	R		CR		R			R	

Physical Sciences	Physical Sciences																					
	Gen Bio I	Gen Bio II	Anat & Phys/Human Anat	Cell Bio	Genetics or Genomic Bio	Immunology	Kinesiology	Microbiology	Molecular Bio	Zoology	Gen Chem I	Gen Chem II	Org Chem I	Org Chem II	Analy Chem	Biochemistry	Pre Calc	Calculus	Stats	Computer Appl/Sci	Physics I	Physics II
Ohio Northern Univ.																						
Ohio State Univ., The	R		R				R				R	R	R	R		R		R	R		R	R
Oklahoma, Univ. of	R	R					R				R	R	R	R				R			R	
Oregon State Univ.	R	R	R□□	R			R				R	R	R	R		R		R	R		R	R
Pacific, Univ. of the (CA)	R	R	R <sup>46</sup>				R				R	R	R	R				R			R	
Pacific Univ. Oregon	R	R	R□□				R				R	R	R	R				R			R	
Palm Beach Atlantic Univ. (FL)	R	R	R□□				R				R	R	R	R		R		R	R			
Philadelphia College of Osteopathic Medicine (GA)	R	R		CR				CR	CR		R	R	R	R				R	R		R	
Philadelphia, Univ. of the Sciences in (PA)	R	R	R□□				R				R	R	R	R			R	R			R	R
Pittsburgh, Univ. of (PA)	R	R									R	R	R	R				R	R			
Presbyterian College (SC)	R	R	R□□				R				R	R	R	R				R	R		R	
Puerto Rico, Univ. of	R	R	R□□								R	R	R	R			R	R			R	R
Purdue Univ. (IN)	R	R	R□□		R		R				R	R	R	R		R		R□□	R		R	
Regis Univ. (CO)	R	R	R□□				R				R	R	R	R				R				
Rhode Island, Univ. of																						
Roosevelt Univ. (IL)	R	R	R□□				R				R	R	R	R				R	R		R	
Rosalind Franklin Univ. (IL)	R	R	R								R	R	R	R				R	R		R <sup>36</sup>	
Roseman Univ. of Health Sciences			R□□				R				R	R	R	R				R				
Rutgers, The State Univ. of NJ	R	R	R <sup>42</sup>								R	R	R	R				R	R		R	R
Saint Joseph, Univ. of (CT)			R□□	CR	CR		R				R	R	R	R		CR		R <sup>c</sup>	R	CR	R	
Samford Univ. (AL)			R□□				R				R	R	R	R				R	R			
Shenandoah Univ. (VA)	R	R	R□□	CR	CR		R	CR			R	R	R	R		CR		R	R		R	
South Carolina, Univ. of	R	R	R□□				R				R	R	R	R				R	R		R	
South College (TN)	R	R	R□□				R				R	R	R	R				R	R		R	
South Dakota State Univ.	R		R□□				R				R	R	R	R				R				
South Florida, Univ. of	R	R	R□□	CR	R		R	CR			R	R	R	R		R		R	R		R	
South Univ. (GA & SC)	R	R	R□□								R	R	R	R				R			R	
Southern California, Univ. of	R	R	R				R				R	R	R	R		R		R	R			
Southern Illinois Univ. Edwardsville	R	R	R□□								R	R	R	R				R	R		R	R
St. John Fisher College (NY)	R	R	R□□								R	R	R	R				R	R		R	
St. John's Univ. (NY)	R	R	R□□				R				R	R	R	R		R		R	R		R	
St. Louis COP (MO)	R	R	R□□				R				R	R	R	R		R		R	R		R	
Sullivan Univ. (KY)	R		R				R				R	R	R	R				R	R			
Southwestern Oklahoma State Univ.	R		R				R				R	R	R	R				R		R	R	
Temple Univ. (PA)	R	R	R□□								R	R	R	R				R	R		R	R
Tennessee, The Univ. of	CR	CR	R□□				R		CR□□		R	R	R	R		R□□		R	R			
Texas A&M Univ.	R	R			CR		R	CR			R	R	R	R				R	R	CR	R	
Texas Southern Univ.	R	R	R				R				R	R	R	R			R	R	R	R	R	
Texas Tech Univ.	R	R	CR				R	CR			R	R	R	R		CR		R	R		R	
Texas-Austin, Univ. of	R			CR	R		R	CR			R	R	R	R				R	R		R <sup>47</sup>	

## Physical Sciences

	Gen Bio I	Gen Bio II	Anat & Phys/Human Anat	Cell Bio	Genetics or Genomic Bio	Immunology	Kinesiology	Microbiology	Molecular Bio	Zoology	Gen Chem I	Gen Chem II	Org Chem I	Org Chem II	Analy Chem	Biochemistry	Pre Calc	Calculus	Stats	Computer Appl/Sci	Physics I	Physics II
Texas-Tyler, Univ. of	R	R	R□□								R	R	R	R			R					
Thomas Jefferson Univ. (PA)	R	R	R□□					R			R	R	R	R			R				R	R
Toledo, Univ. of (OH)	R	R	R□□ <sup>48</sup>								R	R	R	R			R□□				R	
Touro Univ. (CA)			R					R			R	R	R	R		CR	R					
Touro College (NY)	R	R	R□□					R			R	R	R	R		R	R	CR				
Union Univ. (TN)	CR	CR	R□□					R		CR□□	R	R	R	R			R	R			R	
Utah, Univ. of			R□□					R			R	R	R	R			R□□	R			R	
Virginia Commonwealth Univ.	R	R	R□□					R			R	R	R	R		R	R	R			R	
Washington, Univ. of	R	R						R			R	R	R	R		R	R	R				
Washington State Univ.	R	R	R□□					R			R	R	R	R		R	R	R				
Wayne State Univ. (MI)	R		R□□					R			R	R	R	R		R	R	R	R	R	R	
West Coast University	R	R	R□□								R	R	R	R			R <sup>17</sup>	R			R	
West Virginia Univ.	R	R		R				R			R	R	R	R		R	R	R			R	R
Western New England Univ. (MA)	R	R	R□□					R			R	R	R	R			R	R				
Western Univ. (CA)	R		R□□	CR				R <sup>7</sup>	CR		R	R	R	R		CR	R				CR	
Wilkes Univ. (PA)	R	R									R	R	R	R			R	R			R	
Wingate Univ. (NC)	R		R□□					R			R	R	R	R			R	R			R	
Wisconsin, Univ. of	R	R						R			R	R	R	R			R	R			R	R
Wyoming, Univ. of	R		R□□					R <sup>7</sup>			R	R	R	R			R	R				
Xavier Univ. (LA)	R	R						R			R	R	R	R			R	R	R <sup>24</sup>		R	
<b>Total # REQUIRED</b>	<b>122</b>	<b>98</b>	<b>107</b>	<b>8</b>	<b>12</b>	<b>4</b>	<b>0</b>	<b>100</b>	<b>3</b>	<b>0</b>	<b>138</b>	<b>137</b>	<b>138</b>	<b>138</b>	<b>2</b>	<b>40</b>	<b>8</b>	<b>137</b>	<b>103</b>	<b>6</b>	<b>108</b>	<b>30</b>
<b>Total # CONDITIONALLY REQUIRED</b>	<b>4</b>	<b>6</b>	<b>10</b>	<b>20</b>	<b>11</b>	<b>2</b>	<b>0</b>	<b>4</b>	<b>17</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>4</b>	<b>2</b>	<b>4</b>



## Social Sciences

	Social Sciences <sup>a</sup>	Psychology	Poly Sci	History	Hum Behav/Behav Sci	West Civ	Anthro	Sociology	Economics	Ethics	Genr/Ethnc Stud	Business/Accounting	Critic Think	Phys Ed	Int'l Culture
Albany College of Pharmacy (NY & VT)		R													
Appalachian College of Pharmacy (VA)	CR	CR			CR			CR	CR						
Arizona, Univ. of	R <sup>□□</sup>								R						
Arkansas for Medical Sciences, Univ. of									CR			CR	CR		
Auburn Univ. (AL)	R <sup>c</sup>			R <sup>□ c</sup>						CR					
Belmont Univ. (TN)	CR <sup>□□</sup>	CR	CR	CR	CR	CR	CR	CR	R	CR					CR
Binghamton The SUNY, Univ. at (NY)	R	CR	CR	CR	CR			CR	R <sup>1</sup>	CR					
Buffalo The SUNY, Univ. at (NY)	CR				CR										
Butler Univ. (IN)	R			R <sup>□□ 38</sup>						R <sup>4</sup>				R	
California Northstate															
CA-San Diego, Univ. of					R <sup>c</sup>				R						
CA-San Francisco, Univ. of	CR <sup>c</sup>	CR					CR	CR	R						
California Health Sciences University		R							R						
Campbell Univ. (NC)	R <sup>□□</sup>	CR	CR	CR				CR	R						
Cedarville University	R			R											
Chapman University (CA)		CR	CR	CR				CR	R						
Charleston, Univ. of (WV)		CR	CR	CR				CR	R						
Chicago State Univ. (IL)		CR			CR			CR	R						
Cincinnati, Univ. of (OH)									R						
Colorado Denver, Univ. of	CR <sup>□□</sup>								R						
Concordia University (WI)									R						
Connecticut, Univ. of		CR					CR	CR	R <sup>1</sup>					R <sup>□□</sup>	
Creighton Univ. (NE)		R							R <sup>1</sup>						
Drake Univ. (IA)															
Duquesne Univ. (PA)		R							R	R					R <sup>44</sup>
D'Youville College (NY)		CR		R				CR	R						
East Tennessee State Univ.	CR	CR			CR			CR	R						
Fairleigh Dickinson University	CR				R				R						
Ferris State Univ. (MI)		CR						CR	R						
Findlay, Univ. of (OH)	CR									R <sup>4</sup>					
Florida, Univ. of					CR <sup>□□</sup>										
Florida A&M Univ.	R			R <sup>6</sup>											
Georgia, Univ. of	R <sup>□□</sup>			R <sup>6</sup>					R					R	CR <sup>c</sup>
Hampton Univ. (VA)	R	R		R <sup>□□</sup>				R						R	
Harding Univ. (AR)	R <sup>□□</sup>	CR						CR	R						
Hawaii-Hilo, Univ. of	R <sup>□□</sup>				CR										R
High Point University	CR														
Houston, Univ. of (TX)	CR	CR	R <sup>□□ 8</sup>	R <sup>□□ 11</sup>	CR			CR							
Howard Univ. (DC)	CR <sup>□□</sup>				R <sup>□□</sup>										
Husson Univ. (ME)		CR						CR	R						





## Social Sciences

	Social Sciences <sup>a</sup>	Psychology	Poly Sci	History	Hum Behav/Behav Sci	West Civ	Anthro	Sociology	Economics	Ethics	Genr/Ethnc Stud	Business/Accounting	Critic Think	Phys Ed	Int'l Culture
Ohio Northern Univ.															
Ohio State Univ., The															
Oklahoma, Univ. of															
Oregon State Univ.		R							R						
Pacific, Univ. of the (CA)		R							R <sup>2</sup>						
Pacific Univ. Oregon	CR	R			CR				R						
Palm Beach Atlantic Univ. (FL)					CR <sup>□□</sup>				R						
Philadelphia College of Osteopathic Medicine (GA)	CR				CR				R						
Philadelphia, Univ. of the Sciences in (PA)	R <sup>□□</sup>							R							
Pittsburgh, Univ. of (PA)	R	CR		CR				CR	CR						CR
Presbyterian College (SC)		CR						CR	R						
Puerto Rico, Univ. of	R <sup>□□</sup>	R				R			R						
Purdue Univ. (IN)									R						
Regis Univ. (CO)	R	R						R	R						
Rhode Island, Univ. of															
Roosevelt Univ. (IL)	R				R				R						
Rosalind Franklin Univ. (IL)	CR				CR										
Roseman Univ. of Health Sciences															
Rutgers, The State Univ. of NJ	CR	CR						CR	R <sup>1</sup>						
Saint Joseph, Univ. of (CT)	R <sup>□□</sup>								R						
Samford Univ. (AL)		CR		CR		CR		CR						R	
Shenandoah Univ. (VA)	CR	CR			CR		CR	CR	R						
South Carolina, Univ. of	R <sup>□□</sup>	R							R						
South College (TN)	CR				CR				R						
South Dakota State Univ.									R						
South Florida, Univ. of	R	CR			R			CR	R						
South Univ. (GA & SC)	CR	R		R	CR				R						
Southern California, Univ. of															
Southern Illinois Univ. Edwardsville	R	CR						CR	R						
St. John Fisher College (NY)	CR <sup>□□</sup>								R						
St. John's Univ. (NY)		CR						CR	R <sup>1</sup>						
St. Louis COP (MO)	R	CR						CR	R <sup>1</sup>						
Sullivan Univ. (KY)		CR	CR					CR	R						
Southwestern Oklahoma State Univ.		R	R <sup>5</sup>	R <sup>43</sup>					R <sup>2</sup>						R <sup>20</sup>
Temple Univ. (PA)	R <sup>□□ 10</sup>								R						CR
Tennessee, The Univ. of	R <sup>□□</sup>														
Texas A&M Univ.		CR	R <sup>□□ 8</sup>	R <sup>□□ 8</sup>			CR	CR	CR						
Texas Southern Univ.	CR	CR	R <sup>□□ c</sup>	R <sup>□□ 6</sup>	CR			CR	CR						
Texas Tech Univ.	R								R						
Texas-Austin, Univ. of	CR		R <sup>□□ 8</sup>	R <sup>□□ 6</sup>	CR				R						

## Social Sciences

	Social Sciences <sup>a</sup>	Psychology	Poly Sci	History	Hum Behav/Behav Sci	West Civ	Anthro	Sociology	Economics	Ethics	Genr/Ethnc Stud	Business/Accounting	Critic Think	Phys Ed	Int'l Culture
Texas-Tyler, Univ. of									R						
Thomas Jefferson Univ. (PA)	R <sup>□□</sup>														
Toledo, Univ. of (OH)									R <sup>1</sup>						
Touro Univ. (CA)															
Touro College (NY)		CR			CR		CR	CR	R						
Union Univ. (TN)	R <sup>□□</sup>														
Utah, Univ. of															
Virginia Commonwealth Univ.															
Washington, Univ. of	R								R <sup>1</sup>						
Washington State Univ.		R							R <sup>1</sup>						
Wayne State Univ. (MI)	R		R <sup>5</sup>	R									R		R
West Coast University	CR	CR			CR			CR	R						
West Virginia Univ.									R <sup>1</sup>						
Western New England Univ. (MA)		R							R	R					
Western Univ. (CA)	CR								CR						
Wilkes Univ. (PA)									R <sup>1</sup>						
Wingate Univ. (NC)	CR	CR	CR				CR	CR	R	CR					
Wisconsin, Univ of	R	R			R		CR	CR	R <sup>1</sup>		R				
Wyoming, Univ. of															
Xavier Univ. (LA)		CR						CR		R <sup>4</sup>					
<b>Total # REQUIRED</b>	<b>44</b>	<b>27</b>	<b>8</b>	<b>18</b>	<b>13</b>	<b>1</b>	<b>0</b>	<b>5</b>	<b>86</b>	<b>7</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>7</b>	<b>7</b>
<b>Total # CONDITIONALLY REQUIRED</b>	<b>33</b>	<b>36</b>	<b>13</b>	<b>12</b>	<b>25</b>	<b>2</b>	<b>10</b>	<b>36</b>	<b>6</b>	<b>5</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>5</b>







## Liberal Arts & Other Requirements

	Humanities <sup>b</sup>	Fine Art	General Ed/Electives <sup>e</sup>	English/ English Composition	Literature	Writing	Rhetoric	Relig Studies	Philosophy	Music/Music Appr	Foreign Lang	Communication	Public Speak/Speech	Institution Specific <sup>c</sup>
Texas-Tyler, Univ. of													R	R
Thomas Jefferson Univ. (PA)	R <sup>□□</sup>			R										
Toledo, Univ. of (OH)			R	R <sup>□□</sup>										
Touro Univ. (CA)														
Touro College (NY)														
Union Univ. (TN)	R <sup>□□</sup>					R <sup>□□</sup>							R	
Utah, Univ. of			R			CR							CR	
Virginia Commonwealth Univ.			R <sup>c</sup>	R <sup>□□</sup>			CR						R	
Washington, Univ. of	R			R <sup>□□</sup>									R <sup>23</sup>	
Washington State Univ.						R <sup>□□</sup>			R					R
Wayne State Univ. (MI)		R	R	R <sup>□□</sup>		R			R				R	R
West Coast University	CR			R <sup>□□</sup>									R	
West Virginia Univ.			R <sup>c</sup>	R <sup>□□</sup>									R	R <sup>□□</sup>
Western New England Univ. (MA)				R <sup>□□</sup>									R	
Western Univ. (CA)			R	R <sup>□□</sup>									CR	
Wilkes Univ. (PA)													R	
Wingate Univ. (NC)	R			R <sup>□□</sup>	R			CR			CR	CR	R <sup>23</sup>	
Wisconsin, Univ of			R	R										R
Wyoming, Univ. of														R
Xavier Univ. (LA)				R	R			R	R				R	R
<b>Total # REQUIRED</b>	<b>55</b>	<b>11</b>	<b>57</b>	<b>108</b>	<b>14</b>	<b>17</b>	<b>1</b>	<b>3</b>	<b>7</b>	<b>0</b>	<b>3</b>	<b>8</b>	<b>81</b>	<b>38</b>
<b>Total # CONDITIONALLY REQUIRED</b>	<b>20</b>	<b>23</b>	<b>4</b>	<b>4</b>	<b>13</b>	<b>6</b>	<b>2</b>	<b>5</b>	<b>8</b>	<b>4</b>	<b>14</b>	<b>15</b>	<b>13</b>	<b>0</b>



**Numerical Notes:**

- 1 Microeconomics
- 2 Macroeconomics
- 3 Core Fine Arts: Art Appreciation, Art History, Music Appreciation, or Theater Appreciation
- 4 Healthcare related ethics
- 5 American Government / Politics
- 6 U.S. History
- 7 Medical Microbiology
- 8 US and Texas Government/History: check school's requirements
- 9 Must meet the UW-Madison Communication "A" requirement
- 10 U.S. Society
- 11 The United States Before 1877 or equivalent and The United States Since 1877 or equivalent
- 12 Must be fluent, or near fluent, in Spanish. All patient interaction is conducted in Spanish.
- 13 American Culture
- 14 Performing and Fine Arts (including Music), Physical Education, Foreign Languages, Computers or similar courses will not meet this requirement.
- 15 Sophomore Level English Composition Course
- 16 Rhetoric and Composition Course
- 17 Calculus course must include Analytical Geometry component
- 18 Accounting
- 19 Introduction to Technical Communication
- 20 World History
- 21 Professional / Technical Writing
- 22 Technical or Creative Writing
- 23 Speech/Interpersonal Communications
- 24 Statistics: Biostatistics
- 25 Basic Spanish
- 26 Microbiological Basis of Disease
- 27 Physiology and lab not required
- 28 Statistics - Must have a general statistics or biostatistics emphasis; a course in business statistics is not acceptable.
- 29 Course for life sciences majors
- 30 American Diversity
- 31 World Civilizations
- 32 Masterworks in Literature
- 34 Physics: Calculus or Trigonometry based
- 35 Mammalian or Human Physiology (Upper Division Required): 4-6 semester hours PLUS Human Anatomy & Physiology I and II: 8 semester hours
- 36 Physics must include mechanics, thermodynamics, force, and motion. May be non-calculus based.
- 37 Calculus with integration and differentiation
- 38 Global and Historical Studies
- 39 Calculus and Analytical Geometry
- 40 Pathogenic Microbiology
- 41 Physiology upper division; not anatomy and physiology
- 42 Exclusively physiology, two courses may be required if taking combined anatomy and physiology
- 43 US History and World History or World Cultural Geography
- 44 Global Diversity
- 45 Physics: with lab, including the study of electricity and magnetism
- 46 Physiology: whole animal / human / mammalian physiology
- 47 Physics: including thermodynamics and electromagnetism
- 48 Functional Anatomy and Pathophysiology
- 49 Physiology and Pathology
- 50 Public Speaking must include at least 3 major individual speeches and 1 minor presentation for 50% of course grade. A course syllabus may be required to confirm course content if the course is not titled as Public Speaking.
- 51 Biological Sciences (8 hours are required, 12 hours are strongly recommended): Recommended: General Biology, Human Anatomy & Physiology, &/or Microbiology. Also Appropriate: Immunology, Cell Biology, Genetics, Medical Terminology, Biochemistry.
- 52 Pharmacy Calculations- Can be completed at Cedarville University during the summer prior to enrollment.
- 53 World History
- 54 College Mathematics (6 semester hours) which must include Calculus (Calculus with minimum of 3 semester hours)
- 55 Brief Calculus
- 56 English I is 4 credits at BU and English II is 2
- 57 Pharmacy Calculations
- 58 As needed to reach a minimum of 65 hours
- 59 Calculus for Biological Sciences
- 60 As needed to reach a minimum of 70 hours
- 61 Computer Application to Pharmacy
- 62 Statistics for Health Profession Majors
- 63 300 or 3000 Level or Higher
- 64 As needed to reach a minimum of 90 hours